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**JANUARY 22, 1949** 



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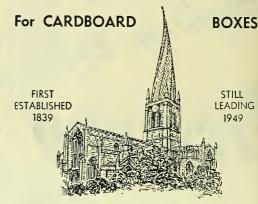


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Considerable success in the treatment of chilblains has been reported following the use of acetomenaphthone in one group of patients and nicotinic acid in a second group.

B.D.H. have now made available under the name 'Pernivit', tablets

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Bottles of 50 tablets 2/- 3/Bottles of 500 tablets 15/- 22/6
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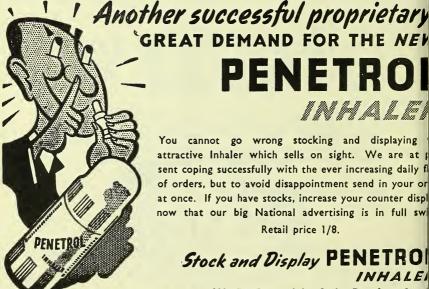
## 'PERNIVIT'

TABLETS OF ACETOMENAPHTHONE AND NICOTINIC ACID B.D.H.
THE BRITISH DRUG HOUSES LTD. LONDON N.1

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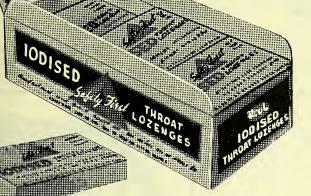
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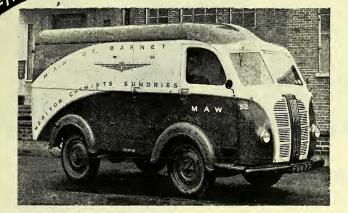
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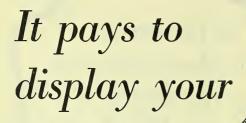
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CHILDREN'S

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Packed in colourful show-boxes

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RETAIL PRICE STANDARD INTERMEDIATE BEST PURCHASE WHOLESALE DISPLAY DISPLAY TAX 

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Form for

the relief

of



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In attractive blue cartons

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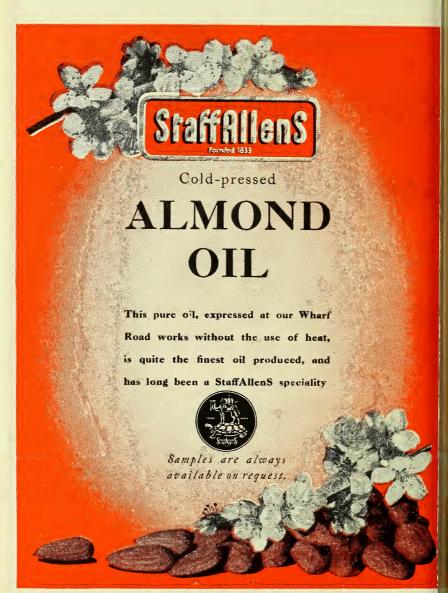
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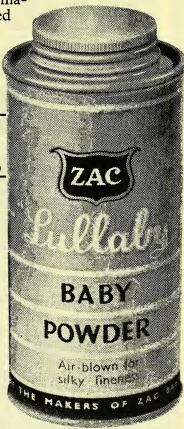
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or Baby — for Mother — for You — ZAC Baby Cream and ZAC Lullaby" Baby Powder are exactly right. Right for Baby's elicate skin. Right for Mother who wants the best at moderate rice. And right for YOU because these two lines are first-class repeaters"; show you excellent profit (particularly when ordered

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- for its easy corrective action in constipation

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- for children and adults requiring a palatable, non-griping, "clock-timed" cathartic.

Agarol is now in normal supply.

AGAROL — ALKA-ZANE — ANUSOL — GELUSIL — VEGANIN — VERACOLATE — VINCE

William R. WARNER and Co. Std.



POWER ROAD, LONDON, W. 4.



6-8. COLE ST. LONDON, S.E.I.

Proprietors of "SUDEX" Senna Pods

Telegrams: PILLEOLUM, SEDIST, LONDON. Telephone: HOP 2147-8

## LEVER, BRAILSFORD & CO. LTD.

Send Greetings and Best Wishes for 1949 to their Numerous Friends
They offer their products at a Special Discount during January and February of—6½% on £10 orders 7½% on £25 orders 10½% on £00 orders Ask for our Lists which include Saccharin Tablets, etc.

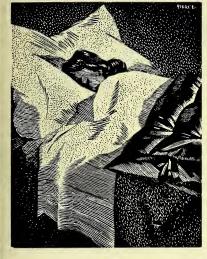
### **SOFT & LIQUID SOAPS**

For Manufacturing and other technical and general uses.

W. M. DELF (L'POOL) LTD SOAP AND DISINFECTANT MANUFACTURERS DELCO WORKS, LIVERPOOL, 9

> Telegrams: Glycerine, Liverpool Telephone: Aintree 1752 (2 lines)

# ★ This advertising brings EXTRA



## FAMEL business!

Yes, this picture-of-us-all is providing extra business for you. It is being featured in nation-wide advertising in the National dailies and magazines. Write for showcards which link up with the scheme.

It will pay you to stock up (but do it at once!) with Famel Syrup for these good reasons:



- Famel Syrup is outstanding as a cough remedy. It brings you repeat orders and satisfied customers.
- 2 Famel Syrup is made by a firm whose reputation for quality stands high.
- **3** Famel Syrup is widely advertised to maintain steady demand and quick sales.

## FAMEL SYRUP

There is still time to order for THE PEAK of the season

KELDON LTD · PERIVALE, MIDDLESEX

## FOR THE INFORMATION OF

RURITUS? ONE OF THE CPL ANTIPRURITIES is always indicated!

SIMULTANEOUS CAUSAL AND SYMPTO-MATIC THERAPY ONLY WILL BREAK THE VICIOUS CIRCLE OF PRURITUS FOR

FOR PRURITUS ANI, HÆMORRHOIDS, ANAL ECZEMA, ETC. IN BOTH SEXES

#### POLYCREST ANTIPRURITIC CREAM

Local Fungicidal and Bacterieidal Therapy combined with powerful local Anæsthesia

Active Ingredients: Phenylmercuric Nitrate . 0.1% Amethocaine . . . 0.5% Benzocaine . . . 5.0%

Both preparations are of a vanishing type and will not soil the clothing

In tubes containing 20 gms, net. Hospital sizes : 4 oz. and 8 oz. jars.

Clinical samples will be gladly sent on application to: CLINICAL PRODUCTS LIMITED

PRURITIC

CONDITIONS DUE

TO ESTROGEN

DEFICIENCY

MENOPAX

ANTIPRURITIC

CREAM

Local Estrogen therapy, combined with powerful local

Anæsthesia.

Active Ingredients : Stilbæstrol . . . . . 0.1%

Amethocaine .

Benzocaine .

RICHMOND, SURREY, ENGLAND

## PHARMACISTS

THIS

ANNOUNCEMEN

IS NOW

APPEARING

IN LEADING

MEDICAL AND

NURSING

IOURNALS

PRICES .

POLYCREST PRURITIC CREAM 4/9d

MENOPAX ANTI. PRURITIC CREAM 5/41d

(including Purchase Tax)

Medical Brochures describing both preparations in detail will be gladly sent to Ms.P.S. on application to:

Medical Department

CLINICAL PRODUCTS LIMITED.

Richmond, Surrey, England

For the usual attractive C.P.L. discounts and terms apply SOLE DISTRIBUTORS:

#### MEDICINAL PRODUCTS MOORE LTD.

England & Wales

64 GLOUCESTER PLACE, LONDON, W.1.

Welbeck 5718/9

Scotland & N. Ireland 1 QUEENS TERRACE, ABERDEEN

Aberdeen 6000/1



## Our New 1949 Prices make Dimples Feeding Bottles an EVEN BETTER SELLING LINE



Double-ended 8 oz.	One'Doz. 9/-	Three Doz. 8/9	Six Doz. 8/6 per doz.
No. 1 Upright 8 oz.	8/-	7/9	7/6 ,, ,,
Double-ended 4 oz.	7/6	7/3	7/- ,, ,,
No. 1 Upright 4 oz.	7/6	7/3	7/- " "

Avail yourself of the better terms and do better business.

Dimples Feeding Bottles are supplied with good quality Anti-Colic Teat. The cartons are wrapped with transparent tissue to prevent soiling in stock or on display.

All orders carriage paid in free packages.

Dimples Anti-Colic Teats packed in cartons (twelve cartons

Dimples Anti-Colic Teats packed in cartons (twelve cartons in display outer). Price 2/- per doz. 21/- per gross.

Dimples Feeders and Teats are supplied to chemists only.

## MACDONALD & SON LTD

HOPE MILLS POLLARD STREET MANCHESTER, 4

# 8,000,000 customers

### AND A NEW DISPLAY SERVICE TO STEP UP YOUR SALES

### HOW IT WORKS

The new Picture Post Merchandising Service consists of a free window display — a Picture Post cover, a Picture Post colour advertisement and Picture Post tags or stick-ons—to boost the product you sell. This material will be sent out by Picture Post Merchandising Department for simultaneous display at all points of sale the day a campaign starts. It will link advertiser, retailer and public in a series of real selling drives. Its results in the Joyce 'Back to School' Autumn Campaign are given opposite.

#### THE COVER POINT

Every week 8,160,000 people look out for the cover of PICTURE POST—and they can't miss a colour advertisement inside. When shopping, they see the cover again, as a showcard—IN YOUR WINDOW. They stop. What goes on? Then they see the advertisement there too—with the product itself. The next move is to step in and buy—AT YOUR SHOP.

IT SELLS

" PRODUCTION DOUBLED"

and his retailers—

said the General Manager of Joyce (California) Ltd.

ĸ;

" A TERRIFIC SUCCESS " . . .

" REALLY FORCEFUL MERCHANDISING "

"SERVICE IS FIRST RATE, AND SO IS THE MATERIAL"

"THE ONLY REALLY SOUND & EFFECTIVE ADVERTISING"

"OUR STOCKS OF THE SHOES WERE SOLD OUT IN 24 HOURS"

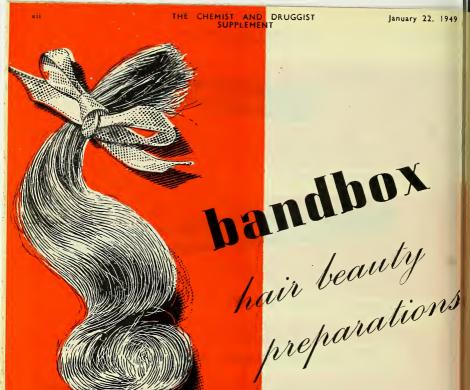
"SUCH CO-OPERATION BETWEEN PICTURE POST, MESSRS. JOYCE & OURSELVES COMPLETED THE EXCELLENT CIRCLE OF SALES PROMOTION"

WATCH FOR IT

When the PICTURE POST Merchandising Service handles one of the products you sell, make sure you tie in. This tested marketing plan will prove one of the best sellers of 1949.

MERCHANDISING SERVICE

HULTON PRESS LTD., 43-44 SHOE LANE, LONDON, E.C.4



Bandbox brings beauty to all types.. that is the secret of Bandbox success.. plus unique Advertising and Displays Are you reaping the benefit of Bandbox Advertising?

If not do please write for new display material and the 1949 Price List.

bandhox liquid shampoo bandhox cream shampoo bandbox home perm bandbox wave set

Brilliantine · Creme Brilliantine · Hair Tonic · Perfume for the Hai

ASHE LABORATORIES LTD. 120-2 VICTORIA STREET, S.W.



## thical Pharmaceuticals

Regular
Medical propaganda
is conducted
throughout the
year for
these specialities,
liberal discounts
are offered
to the trade.
Stocks are
obtainable
through your usual
wholesaler.

Price list and Medical literature is available to pharmacists upon request. Specialities

RHYSO-VAL • IDOZAN

OTOSEDAN • NULEPSI
CEROCOL • MERCOLLOID

APONDON & PACYL

GLANDULAR PRODUCTS

YOBINOL • PANCROBILIN PILLS

OVACOIDS & TESTACOIDS

SPASCOL • NEPHRITIN

PEPTENZYME • PROTONUCLEIN

MICRYSTON

also GYNOMIN and GYNOMEX

EXPORT ENQUIRIES INVITED

## COATES & COOPER LTD.

Manufacturing Chemists

PYRAMID WORKS - WEST DRAYTON - MIDDLESEX - ENGLAND

TEL.: WEST DRAYTON 3011 GRAMS.: "SYNTHETICA," WEST DRAYTON CODES: A.B.C. 5th & 6th, EDITIONS, BENTLEY PRIVATE



DESPAIR

ut affect, and

other labous upholstery

hars currents, shoes, first

NON-INFLAMMABLE LEAVES NO ODOUR





REDUCED PRICES



EVEN BETTER VALUE



EVEN QUICKER SALES



NO PURCHASE TAX

Beaucaire has always looked after the retailer, paying a first-class profit, providing free display material, free personal advertising and a square deal all round.

### THESE NEW SIZES WILL BOOST SALES

In future Beaucaire will be available for counter sales in two sizes at the following prices :--

containing 100% more than the previous I/- size

the previous 5/- size reduced
SIZE in price

#### YOUR DISCOUNT REMAINS THE SAME AND THERE IS NO PURCHASE TAX

Check your stock and send your order today, so that you may get the benefit of increased demand.

INTIRELY BRITISH MADE A NEW INCREASED NATIONAL ADVERTISING PROGRAMME

will help your sales. Ask for decails of display cards and other aids, but

BEAUCAIRE LABORATORIES, VAUXHALL GROVE, LONDON, S.W.8

Telephone: Reliance 3796



# **Toni Twins have** readers seeing

lousands of British women saw and admired American Toni Twins when they visited gland recently to introduce and promote Toni Home Perm.

illions more will see the Toni Twins ularly in Toni Home Perm advertising. ni's advertising shows identical twins with ntical hair styles — one twin has an pensive salon perm, the other twin gave

herself a lovely Toni Home Perm for only 16/8-and it's hard to tell which is which. This twin theme, repeated in all Toni advertising, is working for you day in and day out in newspapers and magazines, films and

Which Twin

One Perm was expensive ... the Toni only 16/k

has the Tone

cinema slides, public relations and display material.

Tie-in with Toni - the Home Perm used by over 20,000,000 American women and now selling

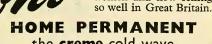
HOME PERMANENT

the ereme cold wave

ME PERMANENT

the creme cold wave

STOCK EEATURE



TONI DIVISION OF GILLETTE, ISLEWORTH, MIDDLESEX

THE POPULAR COUGH SYRUP

Good for the young and good for the old



Supplies may be obtained



from C.F Wholesale Houses

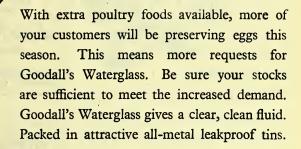
ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9

### BE READY

FOR THIS SEASON'S
INCREASED EGG
PRODUCTION



No. 1 size in 4 & 6 doz. cases; No. 2 size in 2 doz. cases

Cases are free and non-returnable.

## Goodalls' WATERGLASS

EGG PRESERVATIVE

GOODALL, BACKHOUSE & CO., LTD. SOVEREIGN STREET, LEEDS

(29T)



"CRASH" Fly Spray has won a large sale purely on it merits. It contains Pyrethrum and D.D.T. and is deadly to flies, whilst harmless to children and pets

TO BE NATIONALLY ADVERTISED IN THE LEADING DAILIES AND RADIO TIMES, CREATING A GREATER DEMAND THAN EVER BEFORE

### Order your supplies today!

Write for details of very attractive terms

BELL & SONS LTD SILVERDALE WORKS, LIVERPOOL, 13



NEW PRICE LIST JUST ISSUED. Send for your Copy TO-DAY.

### Leslie Marks & Company L

Importers and Exporters of Fine Sponges, Chamois Leather Dressers

3-9 EARLHAM STREET, CAMBRIDGE CIR LONDON, W.C.2 Temple Bar 6

# dirty work to be done?

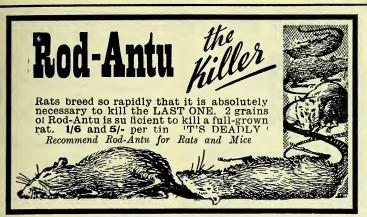
THE BEST BARRIER PREPARATION

# ROZALEX

IT STOPS DIRT FROM
GETTING INTO YOUR SKIN

ALSO ROZALEX OINTMENT

Rozalex Ltd., 10 Norfolk St., Mancheste



JBJECT TO 33\{\}% DISCOUNT. PLUS AN EXTRA 10% ON ORDERS OF DOZ. SMALL OR I DOZ. LARGE. DISPLAY MATERIAL AVAILABLE. ACKED UP BY NATIONAL PRESS ADVERTISING. OBTAINABLE OM USUAL WHOLESALERS OR DIRECT FROM MANUFACTURERS:-

ODMILL CHEMICAL CO. LTD., LIVERPOOL, 3

ass Tubes
By The
Million

YOUR 1949 CONTRACT SHOULD SECURE THE BEST QUALITY, SERVICE AND PRICE

CONSULT THE SPECIALISTS

F. COPLEY & CO. Beeston, Notts.



Surgical & Manicure Specialists Ltd
\* SHEFFIELD 3: ENGLAND

We manufacture all kinds of:-

SCISSORS TWEEZERS FORCEPS NAIL & MANICURE FILES

Stainless Steel—Nickel Plated and Chromium over Nickel

order books are full for some time ahead, and immediate deliveries not be promised. We shall, however, welcome your enquiries for forward veries.

(WHOLESALE ONLY SUPPLIED)

#### There's nothing worse than stuffy indoor air

-and here is a quick and simple way to clear it.



More and more people are quickly recognising the advantages of the

Odaban system of household freshness. For with Odaban there is no mess - no bother, just half an inch of exposed wick freshens rooms - kills odours. Stockists are daily reporting repeat orders. Display Odaban on vour shelves now!

Enquiries to - John Travis Ltd., Mitton Street, Stourpe t-on-Severn, Worcs.

AN INTRACO PRODUCT OF THE INSTONE TRADING CORPORATION



VEXTERM RAT EIS\_UIT, not harmfu to pets, human beings or farmyard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Iror mongers and

### READY-BAITED

Stores everywhere. Price 1/6 & 5/9

RAT BISCUITS Agriculture and Fisheries Licence No. 10184

Manufactured by BRITISH RODENT EXTERMINATOR CO. LT

PRATTS BOTTOM . FARNBOROUGH

Phone: FARNBOROUGH 849

A DELICATE SUBJECT — FOR DELICATE SKINS Rubber Ringed Cushion Com

> A NON-CORROSIVE ACID-PRO HYGIENIC CHILD'S CHAMBI

Detachable ring, easily removed cleaning purposes

Made of Aluminium ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS ESTABLISHED .1891

Trade

Mark Totty Pot"

Patent applied for

BILTIN WORKS, FONTHILL R. LONDON M. 4.
TELEPHONE: ARCHWAY 2753 & 3858

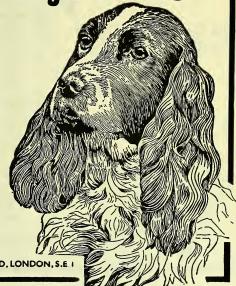
**HERLEY'S always make** 

### Regular 'ustomers!

be sure of a fair share of the big, ar demand for the Sherley's arations please order well ahead—mpty shelves can only mean disapment. There is no treasure like a ar customer. He is the mainstay of table trading; a source of valuable will. Adequate stocks of Sherley's and Cat Medicines will keep the ulars" happy and turn many a ual" into a good friend.



HERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E. 1



### ACUUM LASKS

In many colours to RETAIL AT 7/London Deliveries Free.
Country Orders Packed for Road and Rail Delivery

Why not order your Sundries for our TWICE WEEKLY Delivery anywhere in LONDON

Our Free List available on request.

Ring AVEnue 4966 Extension I or write to:—

FRANKENBERG LTD.
HOUNDSDITCH, LONDON, E.C.3

TRADE ENQUIRIES ONLY.

Pur New Year Wish for You is Peace in 1949

The wish being father to the thought, our opinion (for what it is worth) is that we SHALL enjoy peace in 1949. Let us therefore order our affairs with imagination and enterprise. Let us be bold but prudent. That is our policy—one of continuing expansion and ever-widening service to the many thousands of Gosheron tape users throughout the world. Our aim is to make the name Gosheron consonant with all that is best in British business: fair dealing with our customers and good conditions for our workers. That, we believe, is real private enterprise, and for your support we shall always be deeply grateful. For your past considerations, we express the feelings of all who work in the Gosheron organisation by saying a very warm and sincere "Thank you!"

#### GOSHERON for TAPES

Transotape self-adhesive cellulose tape . Tex-o-tape self-adhesive cloth tape . Colortape — made from cotton yarn brilliantly dyed. Fortofix laminated paper strapping — the new BIG idea!

Samples and information gladly

JOHN GOSHERON & CO LTD

GAYFORD ROAD LONDON W12

TELEPHONE: SHEPHERDS BUSH (SHE) 3326

#### TWO

products of

### EXCEPTIONAL

value

For samples and further information please write to:

#### POWDER

Calfos Powder is sterilized bone calcium phosphate prepared without the use of chemicals, and having calcium and phosphorus present in natural ratio It is pur and of constant formula. Leading British manufacturer have proved Calfos Powder to be outstandingly success ful for

> FORTIFICATION F 0 0 D

#### TABLETS

Calfos Tablets have two great advantages over ordinary calcium tablets. Firstly-they are more easily assimilated and more effective, because they contain calcium and phosphorus in natural proportions. Secondly—they are palatable, being pleasantly lemon-flavoured. So order now There is a ready sale to

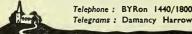
> MOTHERS & CHILDREN

CALFOS LIMITED . IMPERIAL HOUSE · KINGSWAY · LONDON · W

#### ELOCAMP LOZENGES

Have established themselves because they are what the Public expects of a lozenge. They relieve cough and bronchial congestion with demulcents, sedatives and the glowing warmth of penetrating oils.

In attractive 2 oz. size tins Retail 1/6d, inc. P. Tax Supplied in Display Boxes holding I doz. tins, 9/- net per doz. with extra discounts on 3, 6 & 12 doz. lots in return for display.



Telephone: BYRon 1440/1800



What every Housewife wa

An entirely new scientific product washing woollens and precious garm GOOD TI Write for full size sample packe personal trial.

Made by O. M. SEMAN LTD LADY MARGARET WORKS, SOUTHALL, MIL



This display will bring customers into your shop. That means increased business and more profit!

You can make an arresting show even on a  $1\frac{1}{2}$  foot high shelf. Look at the photograph on the right.

Don't delay. Write to-day for your showcard — for Display material, too (stating width and height of display space).

Advertising for SevenSeaS this season will be stronger than ever.

MAKE THAT ADVERTISING WORK FOR YOU

### SEVENSEAS PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd., St. Andrew's Dock, Hull

### DALMAS OF LEICESTER ANNOUNCE

a new waterproof adhesive strapping





HERE IS DALMAS STRAPPING, a new waterproof plastic adhesive supersedes old-type strip-plasters!

Like our well-known First-Aid Dressing, Dalmas Strapping g 100% protection against water, dirt, grease, acid. In particular, ideal for places where a bandage would be awkward. Becaus stretches all ways, edges stick tight while allowing freest moven of joints and muscles.

Dalmas Strapping is skin-coloured, hardly shows. Supplied attractive sell-outs containing twelve 1/- spools, each one inch by yard. Price 8/-. Special quantity discounts. PLACE YOUR ORDER NO.

A. de ST. DALMAS & CO. LIMITED, LEICESTER. (Phone: Leicester 65261).

London Depot: 140-142 St. John St., E.C.1 (Clerkenwell 3399).

Leeds Depot: 14 Neville St. (Leeds 29764).

Scottish Agents: Robert Telford. 29 Waterloo St., Glasgow, C.2. (Phone: Central 2716).



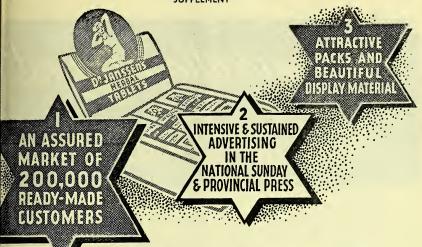
# SELL under your "OWN NAME

Vitamin Malt Extract and Malted/Wheater Food

Write for particulars or phone:-

KINGS OF KINGSBURY (Sales) LT
I. LONDON BRIDGE, S.E.I

Phone: FiOP 2004



These are some of the factors which ensure big sales for Dr. Janssen's Herbal Tablets.

For the past 12 years these famous Tablets have been sold direct to the public by Mail Order, but demand has so increased that distribution through the usual Trade channels has now become essential. The 200,000 existing customers are now being directed by personal letter to their local Chemists.

Intensive Press advertising is telling the Janssen story in no uncertain manner.

### eep FIT and SLIM the Janssen way"

is a slogan that means much to the Trade. Be prepared to meet the big demand. Big profits are available to Chemists by two special introductory Bonus offers:

#### BONUS PARCEL "A"

#### BONUS PARCEL "B"

	Cost	Selling				Selling
oz. 2/6 Dr. Janssen Tablets		24/-	Two doz. 2/6 Dr. Jan			
	,	,	$\frac{1}{2}$ doz. 5/11 ,,	"	19/6	29/-
nly 2/6 ,, ,, ,,	Free	2/-	$\frac{1}{2}$ doz. $5/11$ ,, $\frac{1}{4}$ ,, $5/11$ ,,	,, ,,	Free	14/6
es you 38.4% NETT PROFIT	16/-	26/-				
excluding Purchase Tax.						

rk your order simply A or B parcel. It can go through your usual wholesaler if desired.
All parcels over £1 carriage free.

#### FORMULA

	Normai		Normai
Ext. Cascara. Sag. Sicc.B.P.	25.625%	Cerevis, Ferment. Sicc.	38.541%
Ext. Aloes B.P.C	7.500	Mrryh. B.P.	2.083
Ext. Leptandra B.P.C.	2.083	Lecithin (Ground Nut)	3.750
Ext. Gentian B.P.	3.750	Oleoresin Zingib	0.958
Ext. Taraxaci B.P.C	7.500	Base to	100.00

### DE JANSSEN'S HERBAL

le Distributors: HARRY A. PENNEY (DISTRIBUTORS) LTD.

Barclays Bank Chambers, Kendal, Westmorland

# Pharmaceutical Glands Medical Derivatives

Ву

GLAND SUPPLIES LTD.

3-7, Medlock St. Liverpool Road MANCHESTER. 3

> Tel. No. DEAnsgate. 5428-9



Trade: 20/- a doz., plus 6/8 Tax — 26/8 doz.

Minimum Retail: 3/1 each, Purchase Tax included

MANUFACTURED IN ENGLAND BY

Johnson of Johnson Scough & GARGRAVE

#### LAX · VITA

#### MANUFACTURING CHEMISTS

LAX - VITA MAGNAS a reliable aperier tablet containing Vitamin B.1. which can be recommended with absolute safety. Packed it two sizes. TALVIXA STOMACH POWDEI and TALVIXA STOMACH TABLETS for indigestion, heartburn, windy spasms, etc. VETOPHEN TABLETS an analgesic for neuralgia, headaches, menstrual pains, etc., an a prophylactic against colds, influenza and a feverish complaints. P.L.B. COUGH LOZEN GES a sound seller with consistent repeat sales ANTHOS a soluble sanitary towel of the fines quality. Packed in 12's. ANTHOS ALL ELASTIC SANITARY BELTS in ready supply LUVENE ALL-WOOL SANITARY TOWELS packed in 12's, sizes 1 and 2.

DEALERS IN HEAVY & FINE CHEMICAL!

LAX-VITA LTD.

#### DISPRIN

Soluble, neutral and palatable aspirin tablets in stable form

GREAT DIFFICULTY has hitherto been met in providing soluble aspirin in tablet form which will remain stable under ordinary conditions of storage. This difficulty has now been overcome.

Disprin has all the valuable qualities of calcium aspirin—analgesic, antipyretic and anti-rheumatic. Since it is soluble, it is more rapidly absorbed and consequently more speedy in its clinical effect. Since it presents aspirin in the form of its calcium salt, it is more sedative. Moreover, it does not act as an irritant to the gastric mucosa, because, unlike ordinary aspirin, it is soluble. Disprin tablets readily

dissolve in water to form a substantially neutral, palatable solution.



STABLE, PALATABLE, NEUTRAL SOLUBLE CALCIUM ASPIRIN

Made by the manufacturers of 'Dettol'

CCKITT & COLMAN LTD., HULL AND LONDON (PHARMACEUTICAL DEPT., HULL)



Steadily drifting South...



THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading Proprietary Medicine

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

Manufactured by
ASKIT LTD MANUFACTURING CHEMISTS
GLASGOW N

and stocked by
ALL LEADING WHOLESALE HOUSES



HYGIENIC
HIGHLY ABSORBENT
BEAUTIFULLY SOFT
ECONOMICAL

M. MERICA & LTD.

QUEENS MILL

20 SHAW ROAD, OLDHAM, LANCS.

TELEPHONE : MAIN 5803



THE WHOLE



FAMILY

SPECIALLY



THE CHILDREN



LOVE THE HONEY



IN

.. and it's good for them. A formula you can positively approve ... well-known for ts quick soothing action ... supported by responsible advertising reaching 20,000,000 readers ... and of course 'Pineate' can be included with other I.C.C. lines to qualify for Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.

Trade Terms: 13/9 per doz. Pur. Tax 4/7 per doz. Retail at 1/11 (including tax)

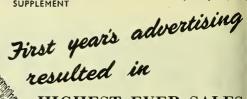
### **Pineate**

HONEY Trade Mark

Cough-Syrup



ERNATIONAL CHEMICAL CO. LTD., CHENIES STREET, LONDON, W.C.1



HIGHEST EVER SALES

Long famous for their high quality and reasonable price, HYGEX Rubber-cushioned Brushes were nationally advertised for the first time in 1948. The result was exceptional, sales were the highest ever. And the good work goes on in 1949, for the advertising, in even greater force, is being used to produce even greater sales records.

HENDERSON BROS. & CO. LTD.
Burwell Road, London, E.10.
Leytonstone 5202/3

Hygex brushes are obtainable through wholesale Houses only.

Hugex

RUBBER-CUSHIONED BRUSHES

# "Silktona" HOME

PERMANENT WAVE

PRICE TO THE PUBLIC 3/9d, Including Tax

- (Guaranteed).

Order NOW from your usual Wholesalers

Sole Distributors :

ALFRED FRANKS & BARTLETT CO. LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.

#### JOHN PEPPER & Co. LT

Manufacturers of

Lockyers Sulphur Hair Restorer 4/4½

Peppers Sulpholine Lotion 1/7½ & 3/10

Keenes One Night Corn Cure 1/7

Bunters Nervine 1/7

Kayes Wordsells Pills 1/7, 3/9 & 6/3

All Retail Prices include Pur. Tax

If supplies are difficult please let us know

BEDFORD LABORATOR
122 MAGDALEN STREET, NORWIG



#### MISCELLANEOUS OPPORTUNITIES

THE

#### "NIPPER"

Series of eight products prepared with special care for children

EXCELLENT FORMULÆ PLEASING PACKAGE EXTRA LARGE PROFIT

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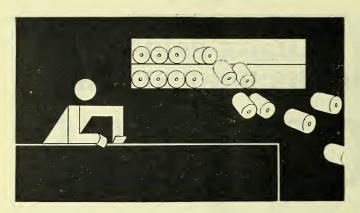
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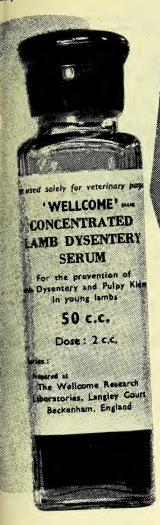
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JANUARY 22, 1949

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#### NEWS OF THE WEEK

immer Time Dates.—Mr. Chuter (Home Secretary) announced in the use of Commons on January 18 that mer time this year would start on il 3 and end on October 30.

D. Authorities Withdrawn. — The me Secretary has withdrawn from orge Mackie Gibb, M.B., Ch.B., 14 rnfield Place, Aberdeen, the authorities nted him by Regulations made under Dangerous Drugs Act, 1920.

Meeting of Statutory Committee.—The tutory Committee of the Pharmaceuti-Society of Great Britain is to meet in adon on January 27 at 11 a.m. to coner information and evidence, postponed m June 24, 1948 about a complaint ating to the dispensing of a prescription 1 the conduct of a member of the ciety.

P.D.A. Examinations.—The examinaas of the Photographic Dealers' Assotion are being held this year on April
and it is anticipated that the numof entrants will be even greater than
1948 figure, which was itself 100 per

cent. above that for 1947. "A word to the assistant" is given by the director of the board of examiners in the January issue of the "P.D.A. Journal."

Committee on Trade Fairs.—An Exhibitions Advisory Committee has been set up to advise the Board of Trade on questions of official participation in and sponsorship of exhibitions and trade fairs in the United Kingdom and overseas. The members include Messrs. Moir Mackenzie (Federation of British Industries), W. L. Chance (Chance Bros., Ltd.) and J. Davidson Pratt (Association of British Chemical Manufacturers).

Brazilian Markets for British Goods.—The Export Promotion Department, Board of Trade, has issued lists (Special Register Service of Information, COM/1616/ID2 and COM/1613/ID2) of potential buyers in Brazil of pharmaceutical goods, optical glass and photographic and cinematographic apparatus, etc. Manufacturers or suppliers in a position to give prompt delivery are advised to communicate with the Brazilian companies listed.

N.H.S. Signs for Opticians.—A form of notice bearing gold lettering on a dark green plastic background has been approved by the Minister of Health for display by opticians in place of the cardboard notice at present issued by Ophthalmic Services Committees (stating that the person concerned is qualified to provide services under the National Health Service Act). [The wording of the notice is specified in the N.H.S (Supplementary Ophthalmic Services) Regulations, 1948 (S.I 1948, No. 1273).]

Malaria Among Seamen. — In amendment No. 3 to the "Ship Captain's Medical Guide, 1946" (H.M. Stationery Office, price threepence), issued recently by the Ministry of Transport, a new section, "Malaria among Merchant Seamen," replaces the original section on malaria. To clear compartments of mosquitoes the section recommends spraying with a fluid insecticide containing DDT or Gammexane and pyrethrum in a kerosene base or in watery suspension. As a protection against bites, application is recommended of a liquid preparation of dimethyl phthalate to exposed parts of the body; administration of Paludrine or mepacrine for prophylaxis, and for treatment, quinine and Paludrine.

Retail Trade Statistics.—Weekly sales of "chemists' wares" by large-scale retailers in Great Britain in November 1948, were 4.2 per cent. less than a year earlier. Only two regions reported an increase (subburban London, 3.7 per cent. higher than in November 1947, and north-east England, 1.3 per cent, higher). In other regions the percentage decreases were : - Scotland, 13.1; north-west England, 13.8; midlands and South Wales, 4.0; southern England, 4.8; London, central and West End, 27.9. Large-scale retailers' stocks in Great Britain were 3.8 per cent. (at cost) higher than earlier. Independent retailers' sales were down by 2 per cent. on November 1947.

Trypanosomiasis Conference. — The International Scientific Committee for Trypanosomiasis Research, a permanent body set up as a consequence of an international conference at Brazzaville, French Equatorial Africa, in 1948 (see C. & D., 1948.I.264) is to meet at the Colonial Office, London, from February 8 to 11. France, Belgium, Portugal, South Africa and Southern Rhodesia are each sending two representatives, with advisers and observers, and subjects to be discussed in-

clude the use of Antrycide trypanoc compound. (C. & D., January 8, p. The meetings will be held in private the Colonial Office hopes to issue a stement to the Press after the conference

Exchange of Green Insurance Card -Green National Insurance cards (w) have the letter "A" printed on the f page above the period of currency I also after the insured person's Natiol Insurance number) expire on March 6 1 are due to be exchanged before March ... Employers are asked to take or send y green "A" cards of their staff (and t r own cards if green) in bulk to a ll National Insurance Office during vk beginning March 7, so that new cards r the fifty-two weeks beginning March 7 may be issued. Green cards should e given to employees to exchange person y only where exchange in bulk is not sible. No cards should be sent to Emp ment Exchanges. To enable the exchard cards to be used for obtaining statistic f persons employed in different indust s, employers are asked to enclose a not of their name, address, and nature of b ness. Insured persons exchanging tr own cards should fill in particulars of tr employment at foot of p. 3 of card.

Scottish N.H.S. Reviewed .- Speal at a meeting of chairmen of Scottish 1 cutive Councils in Edinburgh on Jan y 14, Mr. Arthur Woodburn (Secretary State for Scotland) thanked the mem of the professions taking part in National Health Service for their co-op tion. Referring to the prescribing of m cines, he said the Government had sought to lay down any restricted of permitted or prohibited drugs. A tor was at liberty to prescribe any medi he considered necessary for the treatn of his patient, whatever the cost. Minister hoped that all concerned we remember that the service was finar largely out of income tax. Where equally efficacious drug or medicine available at lower cost, the doctor or to prescribe it. The country could afford to pay simply for the name of proprietary medicine if something equ suitable could be obtained. The ani bill for medicines would be large-perl £2,000,000 a year. The pharmaceut service provided by chemists had been cellent. The problem of prescrip pricing was giving his department so concern, and it might be necessary special arrangements to be proposed.

#### LOCAL NEWS

rmingham Presentation.—A presenn to Mr. H. H. Marshall, who has ntly retired after more than fifty years etail pharmacy (see C. & D., January I,), is to be made at the annual dinner he Birmingham Pharmaceutical Asson on February 16. Donations should ent to Mr. D. J. Rushton, 1088 Strat-Road, Birmingham, 28.

urchase of Scottish Farm.—Boots: Drug Co., Ltd. have purchased a acre farm at West Drums, Brechin, us, which is to be used to establish gree herds of cattle, and for general mercial purposes. No veterinary rech is to be carried on, but the opporty is to be taken to try out the pany's horticultural preparations. srs. Boots already own a 3,000-acre p station at Ardslignish, Argylls.

Vest Suffolk Rota.—West Suffolk Exive Council has approved a rota me whereby two pharmacies in Bury, in Sudbury and one in Newmarket are main open for an extra hour on week, and for an hour on early-closing, Sundays and public holidays. One macy in Hadleigh and one in Haverare to remain open for an extra halfron weekdays, and for one hour on y-closing days, Sundays and public days.

kesolution on D.D. Changes.—The wing resolution was passed by the mittee of the Harrow Branch of the ional Pharmaceutical Union at a meeton January 11: "This committee is with alarm the apparently complatitude of the pharmaceutical porities in the face of the recent D.D.A. lation [see C & D., 1948.II.790] th, in effect, gives equal rights to tants in dispensing and to Service ensers to carry out duties hitherto the ogative of pharmacists and the mediprofession."

te than 400 guests, including the presit of the Pharmaceutical Society (Mr. Clement Shaw) and the chairman of National Pharmaceutical Union (Mr. H. M. Graham) attended a reception by the Lord Mayor and Lady yoress of Liverpool (Alderman and Lancashire) at Liverpool Town Hall January 12 to celebrate the centenary the Liverpool Chemists' Association.

maceutical Society branches in all parts of the country. Mr. H. Humphreys Jones (president of the Association) joined the Lord Mayor and Lady Mayoress in welcoming the guests.

N.P.U.'s Work Explained.—To indicate the variety of the activities conducted by the National Pharmaceutical Union, Mr. E. Skues, speaking at a meeting of the South-east London Chemists' Association on January 11, described what happened at a typical meeting of the Executive. The various committees usually met on one day and the full Executive on the following day. Although only actual members of a particular committee could take part in its discussions, he said, any Executive member was free to attend a meeting of any committee as an observer. port of each committee was presented at the full Executive meeting at which any item could further be discussed.

Assistants Problem Discussed. — At a meeting of the Bristol Branch of the Pharmaceutical Society on January 6, Mr. H. M. Hirst (a member of the Society's Council) spoke on "Retail Pharmacy—Past and Future." After referring to the long hours worked by assistants when he first entered pharmacy, Mr. Hirst gave figures of the present distribution of qualified pharmacists which suggested that the great majority of shops had only one person to carry out the requirement that all dispensing and all sales of poisons should be under the personal supervision of a pharmacist. The present scarcity of qualified assistants might not always continue, he said, and the present high salaries and lack of flexibility in service might have to be modified. In the discussion that followed, many members asked what was being done or contemplated to provide reliable assistants who were trained to dispense, but who had not the full powers of a registered pharmacist. Pharmacists (especially in hospitals), must in future be in a position of acknowledged parity with the professional workers in pathological laboratories and elsewhere, it was stated, so that a university course and qualification would be necessary. Day to day dispensing, which required a decreasing amount of skill, was the main service called for by the public, and for economic reasons assistants who could be employed for such work must be available. Mr. Hirst said that he was opposed to pharmaceutical education that set out to attain too high an academic level.

#### **OVERSEAS NEWS**

Italian-Hungarian Agreement. — Hungary is to send to Italy industrial chemical and pharmaceutical raw materials, and machinery, etc., under a recently-signed trade agreement between the two countries.

U.S. Frees Streptomyein Exports.—Export licences are no longer required for the export from the United States of streptomyein to all countries, except Europe and "adjacent areas."

Imports into Germany. — Chemicals with a total value of \$12,500,000 are included in the proposed import programme for the Anglo-American zone of Germany during the second quarter of 1949.

Afrikaans Labels Demanded.—The Liaison Committee of Afrikaans Societies has been circularising trading concerns in the Union of South Africa asking that labels and price lists, as well as notices and advertisements, should be bilingual.

Pyrethrum to Protect Grain. — The Kenya Board of Agriculture reports that, in experiments on the storage of grain carried out over a period of nine months, the addition of 1 lb. pyrethrum powder to each sack has been found to provide effective protection against weevils.

Canadian Exports. — Chemicals and allied products exported from Canada in October 1948 were valued at \$5,703,000, against \$7,078,000 in the corresponding period of the previous year. Exports of medicinal preparations totalled \$2,151,000, against \$3,060,000 in October 1947.

Turkish Imports from Britain.—The Turkish Ministry of Commerce has communicated to the Chambers of Commerce of Smyrna and Istanbul a restricted list of goods that may be imported into Turkey from the sterling area when sterling is again made available for the payment of imports. Imports from Britain and the sterling area have been virtually suspended since October 20, 1948, on account of Turkey's acute sterling shortage. The list includes chemicals and pharmaceutical goods.

Spanish Exchange Rates. — New exchange rates for foreign currency, ranging up to double the rates hitherto in force, were officially announced in Madrid on December 17, 1948. The new peseta exchange rates against sterling and the U.S. dollar (previously 44 pesetas to & sterling and 10.95 to the U.S. dollar) for essential oils and pharmaceutical products will be 66.19

and 16.425, respectively; for tartaric the corresponding rates will be 72.82 d 18.07 pesetas. Also proportionately n ified are the peseta rates for Swiss, Bel 1 Dutch, Portuguese, Swedish and Di h currencies. French francs are not a affected.

#### IRISH NEWS

Belfast Lecture on Anæsthesia "Short-acting Anæsthetics" was the of a lecture delivered to members of the Pharmaceutical Society of Northern land in Belfast on January 19 by E. W. Tapley, M.R.C.S., L.R.C.P. M. (medical information department, Phaseutical Specialities (May & Baker), I. After the lecture, at which Mr. H. Cowzer (president) was in the chair, and depicting the use of sodium thioper as a general anæsthetic was shown.

Pharmaceutical Pilgrimage to Lous —For this year's Dublin Diocesan I grimage to Lourdes the Pharmaceu Pilgrimage Committee is organism party of brancardiers and handmaid to go in advance to help invalids on an Preference is to be given to pharma and their friends who apply not than February II to the Secretaries, I maceutical Pilgrimage Committee, Palmerston Road, Dublin, enclosing stamped addressed envelope. The app mate cost is to be £36 15s. from Dubling £28 7s. from London, and the party spend fifteen full days in Lourdes. Committee hopes that some pharmater from Northern Ireland and from Cubritain will join the party.

Irish Drug Association. — Mr. Roche (president) was in the chair at first January meeting of the comm of the Irish Drug Association. Men were asked not to write to the secre about the dispatch of the 1949 price which was to be posted to all pai members immediately it was received he Price changes circular the printers. with the next few series should be tained after revising the current list correct the new list. The current should be retained for the prices of d and chemicals, sundries and dispen charges. Later in the year it is hope proceed with the publication of a sepa list, to be operative for two or three ye for the drugs and chemicals sections. A price list for patent and proprie articles is to be dispatched to mem early each year.

#### TOPICAL REFLECTIONS

#### ensus of Distribution

Since your issue of January 15 appeared, has been stated in "The Times" (and is understood that an official announceent will shortly be made) that the Govnment has been reconsidering its decision conduct next year the census of distrition referred to on pp. 81 and 83, and at the census may be deferred. It may hoped that this forecast is well based. ne objection to the census is not that it ll cause trouble to busy and often shortffed proprietors and directors of busisses. It is (1) that in present circum-inces, with trading conditions still far m normal, a census of distribution will t be a trustworthy guide to policy; and that unless some Government staff is be augmented for the purpose of dealwith the returns, their analysis for pub-ation will take too long. The second half this objection embodies a dilemma from ich I see no escape. Either the results the census must be withheld until they too late to be of practical value, or fresh burden must be imposed on taxyers in the form of salaries for newly ruited civil servants. I notice that the sociation of British Chambers of Comerce has lately presented a memorandum the Chancellor of the Exchequer ex-ssing, among other things, its concern the extent of Government expenditure, d stating that at present production the

#### an-power in Pharmacy

tion cannot afford this outlay.

The discussion at the January meeting the Pharmaceutical Society's Council (p. on man-power merits careful consideran by the Society's members. In Part I the report of the Council's Committee of quiry, dated May 1939, it is mentioned at an inquiry conducted at the beginning that year included a return of 85 per nt. of pharmacists engaged in retail prace in some capacity. As I have failed to ce in your volumes for 1939 any other erence to that inquiry, I conclude that findings were not published then, though y may have appeared in some form sub-uently. The last eight pages of Part I the report referred to contain (a) tables chemists' shops showing kinds of busisses done, returns, and profits; (b) a ble of dispensing assistance in hospitals. le man-power situation in pharmacy preits so much difficulty that the decision

of the Council to have an investigation made by a statistician is reasonable. So far as I can foresee, the investigation need not take nearly so long as that published in 1939, which apparently occupied a year or more: there should be a corresponding gain in value to the Council and to regis-tered pharmacists. The remarks made by Mr. Melhuish during the Council's discussion are sound. He suggested, you re-port, that "the problem ought really to have been taken in hand much earlier than the Council appeared to have done." In the suggestion there was an allusion to the recent changes in the curriculum. There is no doubt that a section of the Council is rather given to making hasty decisions, and that the views of councillors who recently urged delay in changing examination requirements were founded on a just estimate of the situation.

#### De Minimis

It was necessary that the British Standards Institution should issue a "revised draft" of its specification for measuring cups and spoons (p. 66), seeing that an objection to the previous draft had been made by "pharmaceutical spokesmen." As has been noted in this section (though perhaps not since 1926), the minim was introduced into pharmacy by the compilers of the Pharmacopæia Londinensis of 1809. They stated (in R. Powell's English translation) that "the number of drops is a fallacious and uncertain mode of division, since, compared with those of water, almost double the number of drops of any tincture are required to fill the same measure." So they divided the fluid drachm into sixty units known as minims, the new denomination having been rendered practicable by the introduction, by Timothy Lane, F.R.S., of glass measures. It will be of interest to see whether the new measuring spoons gain and keep any marked degree of popularity. Victorian days, and more recently, chemists stocked a type of porcelain spoon provided with clearly marked lines inside the bowl, one for a teaspoonful and the other for a tablespoonful. In my experience the sale of them was inconsiderable compared with that of medicine tumblers. By suggesting red as the colour, "when practicable," for medicine spoons, the new draft specification indicates the probability of some kind of plastic material being Xrayser chosen for them.

#### NEW COMPANIES

Dersingham Pharmacies, Ltd. (P.C.).—Capital £1,000. To acquire the business of chemist, druggist and optician carried on by Norman Kroll at 91 Cricklewood Lane, London, N.W.2. Samuel Grimmack and George Grimmack, directors.

CULPEPER SHOPS, LTD. (P.C.).—Capital £1,000. To carry on the business of herbalists, chemists, botanists, etc. Hilda W. Leyel and Graham Kinnaird, directors. R.O.: 1 Stalbride Street, London, N.W.1.

MICHAEL BUSH (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of pharmaceutical, manufacturing and general chemists, etc. Michael J. Bush and Ruth Bush, directors. R.O.: 80 Watling Avenue, Burnt Oak, Edgware.

Downswood Products, Ltd. (P.C.).—Capital £200. To carry on the business of manufacturers of and dealers in chemicals, drugs, powders, and plant and fittings for laboratories, etc. Robert J. Felstead, and Donald R. W. Felstead, F.R.I.C., directors. R.O.: 44 Woodberry Avenue, London, N.21.

WILSON & CO. (EARLSFIELD), LTD. (P.C.).— Capital £1,500. To carry on the business of wholesale and retail chemists and druggists, manufacturers of and dealers in toilet requisites, etc. The first directors are not named. Solicitors: Canter, Hellyar & Co., 3 Lincoln's Inn Fields, London, W.C.2.

FORMOY (OLIVE OIL), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers, processors and refiners of and dealers in olive oil and all kinds of edible oils, and by-products and derivatives thereof, etc. Walter P. Formoy, and Charles L. Greatorex, directors. R.O.: Regent House, 89 Kingsway, London, W.C.2.

British Sundries Co., (Birmingham), Ltd. (P.C.).—Capital £25,000. To acquire the business of manufacturing and wholesale chemists carried on by Hedges Chemists, Ltd., at 10 Dale End, Birmingham, as British Sundries Co. Stanley W. Cornwell, Samuel G. Tydeman, M.P.S., and Leonard C. Bryer, M.P.S., directors.

TRICANA, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemical substances, including detergents, wetting and emulsifying agents, or relating to the distilling and refining of oils and products therefrom, etc. First directors are not named. Solicitors: Holmes, Son & Pott, 301 Salisbury House, London, E.C.2.

Moxon's Pharmacies, Ltd. (P.C.). — Capital £1,000. To carry on the business of chemists, druggists, opticians, tooth and general brush makers; manufacturers of and dealers in tooth-paste, dentifrice, etc. Betsy Boyarsky and Kenneth Boyarsky, and Arthur T. Jones, directors. R.O.: 24 Sir Thomas Street, Liverpool.

DR. BERNARD DYER & PARTNERS (1948), LTD. (P.C.).—Capital £2,000. To acquire the business of analytical and consulting chemists carried on Dr. Bernard Dyer and Partners, Ltd., at Peek House, 20 Eastcheap, London, E.C. George Taylor, Francis W. Bradley and Jack H. Hamence, directors,

A. Beveride, Ltd. (P.C.).—Capital £12,00 To acquire the businesses of chemists and druggis carried on by Alexander Beveridge at 42 Dar ford Road, Sevenoaks, and by Allan W. Pa and Alexander Beveridge in partnership at High Street, Sevenoaks. Alexander Beveridg M.P.S., Annabella S. Beveridge, Allan W. Pai M.P.S., and John O. Macdonald, directors.

#### Company News

RICHARD HUDNUT, LTD.—Mr. H. C. Parmite sales manager, has joined the board of directors

WILLIAM R. WARNER & Co., LTD.—Mr. R. Caldersmith, F.C.C.S., secretary of the companhas been appointed a director.

NORTH BRITISH RUBBER Co., LTD.—Mr. Alexa der Johnston, J.P., managing director, has be appointed chairman of the board. Mr. Dougl H. Gordon, works manager, has been appoint director in charge of production.

Voluntary Liquidation.—Winasco, Ltd., soap ta let manufacturers, formerly at 37 Rothschild Roa Acton, London, W.4. A meeting of the credito of the company was held on January 4, when statement of affairs was submitted which discloss liabilities amounting to £1,642. The net asse totalled £624, or a deficiency as regarded the creditors of £1,018. The company was register on June 7, 1948, with a nominal capital of £10 which had been issued, but did not comence trading until August 7, 1948. A resolution was passed confirming the voluntary liquidation the company with Mr. S. H. Maerns (Mess Whinney Smith & Whinney, chartered accountant 4B Fredericks Place, Old Jewry, London, E.C. as liquidator.

#### **BUSINESS CHANGES**

MR. J. L. BLAKE has been appointed to successir Harold Saunders (see below) as Comptrolle General of Patents.

TAMPAX, LTD., Belvue Road, Northolt, Middlese have appointed Mr. L. T. Buckingham sales ma ager as from February 1.

SWINDON AND DISTRICT CO OPERATIVE CHEMIST LTD., are to open a pharmacy at 1 Faringdo Road, Swindon, early in February.

DAME ALIX KILROY, D.B.E., has been appoint secretary of the Monopolies and Restrictive Pratices Commission. Sir Harold Saunders has be appointed a full-time member of the Commission

Mrs. H. J. McCheyne, M.P.S., is carrying of the business of her late husband, Mr. R. M McCheyne, M.P.S., at 4 Glasgow Road, S Ninians, Stirling.

BRITISH SCHERING, LTD., 167 Great Portlal Street, London, W.1, have appointed Mr. Co Norman, M.P.S., D.B.A., home sales manager their pharmaceutical products marketing division.

MR. CHARLES MCWILLIAMS, M.P.S., has acquire the pharmaceutical business of D. Kennedy, His Street, Hawick, Roxburghs. The business was estalished in 1836. It was carried on fo. over thir years, until his death in July 1948, by Mr. J. E. J Scott.

#### BIRTHS

HARVEY .- At West Woodbine, Western Drive, Bridge of Allan, Stirlings, on nuary 8, Alix, the wife of Robert Harvey, P.S., of a son.

MACKENZIE.—On January 4, Phyllis, e wife of Roderick John Mackenzie, P.S., 30 Wallfield Place, Aberdeen, of a

#### DEATHS

Best.—On December 17, 1948, Mr. rael Best, M.P.S., 10 Lucas Avenue, ayners Lane, Harrow, Middlesex, aged rty-seven.

BLACKLEDGE.—On January 9, Mr. dward Blackledge, M.P.S., 3 Walgarth rive, Chorley, Lancs, aged sixty-two. Mr. ackledge, who qualified in 1913, was for er forty years in business at Steeley ane, Chorley.

CHARNLEY. — Recently, Mr. Arthur alker Charnley, 12 Heywood 1ry, Lancs, aged seventy-six. Mr. harnley qualified as a chemist and drugst in 1895 and was for more than forty ars in business in Princess Street, Bury. e is survived by a son (Dr. John Charny, orthopædic surgeon at Manchester oyal Infirmary and a lecturer in Orthoedics at Manchester University) and a ughter.

CROWE.—On January 18, Mr. John T. rowe, departmental manager and for ver fifty years on the staff of Thomas cMullan & Co., Ltd., wholesale drugsts, Belfast.

Davies.—On January 15, Mr. Thomas wen Davies (a director of T. O. Davies, td., chemists, Cefn, Ruabon, North Vales), The Medical Hall, Cefn Mawr, ged eighty-four. Mr. Davies had been business for about fifty years. At one me a teacher in South Wales, he reloved to Cefn Mawr and took up the sale drugs. Mr. Davies was the last of the d overseers in the parish, and took an ctive part in local affairs. He is survived y his widow, one son and two daughters.

FRITH.—On January 6, Mr. John Benmin Frith, M.P.S., 89 City Way, Rochestr, Kent. Mr. Frith qualified as a chemist nd druggist in 1896.

Gibson.—On December 30, 1949, Mr. ames Gibson, M.P.S., Flat D, 305 Green anes, London, N.4. Mr. Gibson qualified 1 1913.

GILES .- At Winchester House, Totland Bay, Isle of Wight, on December 31, 1948, Mr. Alfred George Giles, M.P.S. Mr. Giles qualified in 1907.

McCheyne.—On January 6, Mr. Robert Murray McCheyne, M.P.S., 4 Glasgow Road, St. Ninians, Stirling, aged sixty. Mr. McCheyne was born in Glasgow. Trained as an engineer, he served in the Merchant Navy, visiting many parts of the world. During the 1914-18 war he enlisted in the Royal Naval Reserve, and on demobilisation took up pharmacy, qualifying in 1929.

PORTER. — On January 11, following an operation, Mr. George Bilton Porter, M.P.S., aged eighty. Mr. Porter, whose address in the register is 189 Dray-cott Avenue, Chelsea, London, S.W.3, is survived by his widow.

Prebble.—On December 6, 1948, Mr. Ernest Prebble, M.P.S., 30 Deane Road, Liverpool, 7. Mr. Prebble qualified in

Turner.—On December 26, Mr. Levi Turner, M.P.S., 321 Glossop Road, Sheffield, aged seventy.

WHINERAY.—Suddenly, on January 13, Mr. George Edward Whineray, M.P.S., 21 Oxcliffe Grove, Heysham, Morecambe, Lancs, formerly for some years in business as a chemist at Common Garden Street, Lancaster, aged seventy-six. Mr. Whineray had been living in retirement.

YATES.—On January 1, Mrs. Irene Gwladys Yates, M.P.S., wife of Mr. Alfred Edmund Yates, M.P.S., 196 High Street, Lewes, Sussex. Mrs. Yates (née Pugh) qualified in 1921.

#### WILLS

Miss K. M. Anderson, M.P.S., Sunny Bank, Seascale, Cumberland, left £3,864 (£3,832 net).

MR, J. S. C. HARCUS, M.P.S., New Scapa Road, Kirkwall, Orkney, formerly of Derby, Blackburn and Longton, Stoke-on-Trent, left £5,775.

Mr. E. H. Jones, M.P.S., 2 Coral Street, Leicester, formerly manager of a Leicester branch of Timothy Whites & Taylors, Ltd., left £541 (£493 net).

MR. C. E. BARHAM, St. Clareas, South Street, Lancing, Sussex, formerly of Kodak, Ltd., South Africa, Shanghai and London, left £9,667 in Great Britain (£7,475 ret).

MR. FREDERICK RIVERS, 26 Wollaton Hall Drive, Nottingham, formerly manager of the costing department of Boots Pure Drug Co., Ltd., left £3,661 (£3,523 net).

#### TRADE NOTES

Vapour Rub for Children.—Details are given on another page of a newly introduced Thermogene rub for children. The product is issued in blue cartons in display outers by J. C. Eno, Ltd., Watford.

P.A.Y.E. System.—Subscribers are invited to send to The Shannon, Ltd., 484 Shannon Corner, New Malden, Surrey, for free specimen cards forming part of a F.A.Y.E system.

Neutral, Soluble Aspirins.—Reckitt & Colman, Ltd., Hull, announce the intro-



duction of Disprin, a neutral, soluble aspirin tablet. Booklets have been prepared (a) for the medical profession and (b) giving trade terms. A copy of the latter, with a specimen bottle of Disprin, is being sent by post to all

by post to all registered pharmacists in wholesale or retail trade. Arrangements have been made for wholesale chemists to carry stocks to meet immediate requirements. The important characteristics of Disprin are that it dissolves in water to form a substantially neutral solution of calcium aspirin, thus avoiding irritation of the stomach wall, and promoting rapid absorption in the blood stream.

Closed for Stocktaking.—Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7, advise that their offices and factory will be closed for stocktaking on Friday, February 25, reopening for normal business at 8 a.m. on February 28.

Children's Tooth-brush. — Macleans, Ltd., Great West Road, Brentford, Middlesex, have introduced a children's tooth-brush, illustrated on another page. The brush is packed in colourful show boxes containing I doz. brushes. Terms are given in the announcement.

Distribution Change.—Valdor Laboratories, Ltd., London and Paris, have appointed Splendor, Ltd., 7c Lower Belgrave Street, London, S.W.I, and Fletcher Gate, Nottingham, sole distributors for their Guitare lipstick, Arcancil mascara, perfumes Chopin, etc., in the United Kingdom and Northern Ireland. All inquiries should be sent to Messrs. Splendor.

Nursery Hot-water Bottle.—The Subbear hot-water bottle illustrated, man

factured by Wm. Freeman & Co. Ltd., Subaseal Works, Peel Street, Barnsley, is the forerunner of variety of new hot - water bottle toys to be manufactured by the company. The bottle incorporates the advantages of the Suba Seal closure (easy stoppering, no leakages, filling without spluttering, seamless construction.



Antarctic Exhibits.—Included in a Antarctic Exhibition now being held o

board R.S.S. "Discovery," Victoria Embankment, London, are three exhibits specially by Burloaned Wellcome roughs & Co., 183 Euston Road, London, N.W.1. The exhibits are relics of Captain Scott's last expedition (1910-12). Two are actual Tabloid medicine cases used on the ex-



pedition, the third is a memorandum ser to the company by Dr. E. A. Wilso (the medical officer of the party) writte some time before the expedition sailed. The letter list medicines required and ir cludes a design for a special type of sledging medicine case. A note on the exhibits (one of which is illustrated above reminds visitors to the exhibition that Roald Amundsen, the Norwegian explore who reached the South Pole a few week ahead of Scott, also carried Tabloid medical supplies, as did Peary, Nansen, Shack leton and other famous Arctic or Anarctic explorers.

Revised Entries in Year Book.—Sinc THE CHEMIST AND DRUGGIST Year Boo and Diary, 1949, went to press, a num r of changes of address, changes of ency, etc., have taken place, and diary-lders are asked to make the following anges and corrections in entries:-

TRADE DIRECTORY—
164. Calfos, Ltd. Telephone number is

Temple Bar 3629.

169. Edwards Harlene, Ltd. Address is 251-53 Seven Sisters Road, Finsbury Park, N.4. Falconer & Co., Ltd. Address is 68

Coleman Street, London, E.C.2. 172. Greeff, R. W., & Co., Ltd. Insert 121 among references to advertisers' announcements.

Green, Harry, Ltd. Delete 66 and

121 in first column.

174. Huffer & Smith, Ltd. Address is Era Works, Croydon, New

Surrey.

artindale, Wm. (Wholesale) (Savory & Moore, Ltd.). Address 178. Martindale, is 14-16 Bruton Place, New Bond Street, London, W.1. Telephone: Mayfair 7811 (8 lines). Telegrams: Martindale, 'phone, London.

190. Valdor Laboratories, Ltd. Telephone number is Euston 3511. Van der Hoeks, Ltd. Telephone

numbers are Holborn 6125 and

Holborn 9640.

192. Zimmermann, Chas., & Ço., Ltd. Delete address 9 & 10 St. Maryat-Hill, London, E.C.3, and Mansion telephone number House 6005. Add telephone number Perivale 1200.

BUYERS' GUIDE-

'Glainabol.' 242. Delete Midgley, Charles, Ltd.

260. Add 'M 28.' Gynoclinical Laboratories, Ltd.

277. 'Persomnia.' Delete Maw, S.,

Son & Sons, Ltd. (Distributor). Add Moore Medicinal Products, Ltd. (Distributor).

281. 'Polycrest' Antipruritic Cream. Add Clinical Products, Ltd. Polyethylene Glycols. Insert "e" in "polythylene." Delete Munro Vitarex, Ltd. 289. Sanitary Wear (Internal). Delete

Fassett & Johnson. Add Tam-

pax, Ltd.

291. 'Shadeine' Hair Tint. Delete

Kearsley, C. & G., Ltd. sert 'Sy-Lac' Tooth-powder 302. Insert and Mouth-wash. International Chemical Co., Ltd.

p. 304. 'Tampax' Internal Sanitary Wear. Delete Fassett & Johnson. Insert Tampax, Ltd.

esley & Co., (advertisers' announcement). Delete 'Lam-beth Mews.' Insert 'Lambert p. 646. Wesley Mews.'

PHARMACEUTICAL ORGANISATIONS p. 396. Merthyr Tydfil. Delete entry. (See Aberdare and Merthyr).

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—Dr. George Jack (Distributors: Raimes, Clark & Co., Ltd.). Increased prices, February 1, Helios, 11s. doz., tax 331 per cent., inclusive retail price 1s. 7d.; 42s. doz., tax 331/2 per cent., i.r.p. 6s.; 99s. doz., tax 331/3 per cent., i.r.p. 14s. 3d.

Rybar Laboratories, Ltd., Rybarex inhalant, now exempt from purchase tax, ½-oz., 6os. doz., 7s. 6d.; 1-oz., 108s. doz., 13s. 6d.; 4-oz., 408s. doz., 51s.

#### C. & D. DISPENSING PRICE LIST

THE following price changes, which took place during December 1948, should be made in the List:-

Cost		Due allowance has been made for		Dispensing price					
d.	per	purchase tax where			I oz. s. d.		ı dr. s. d.		
57 .19	lb. oz.	Acid. benzoicum Cardamomi sem.	2	0	0	7	0	I	
48	lb.	pulv	-		2	10	0	5	
- 1		pulv	I	9	o	6	0	I	
168	lb.	Liq. cauloph. et				•			
		B.P.C	5	ı	I	9	0	3	
16	lb.	Lotio calaminæ, B.P. (2s. 3d.							
		16 fl. oz.)	o	9	0	$2\frac{1}{2}$	_	_	
15	dr.	Oculent. cocainæ							
15	dr.	S.1.D.D Oculent. physos-	pe	r	t	ube	2	3	
		tigmin. S.1.	pe	r	ţ	ube	2	3	
63	lb.	Podophyllum pulv	2	4	_	8	0	I 1/2	
30	dr.	Spartein. sulphas	pe		٥	U	0	1 5	
0.		C1-11	gı	:-	o	$I^{\frac{1}{2}}$	4	5	
04	OZ.	Sulphonal R only	_	_			2	0	
63	oz.	Theophyllin. et							
30	oz.	sodii acet Theobrom. et	-	-		_	I	6	
Ŭ		sodii salicyl	-	- ]	4	5	0	8	
108	lb.	Vinum pepsini, B.P.C	3	T T		I	0	2	
-	<u>'</u>	D.I	3	. 1	, 1		0		

#### PUBLIC PHARMACISTS REJECT SALARY OFFE

A' STATEMENT Issued by the Guild of Public Pharmacists says that a claim made recently on behalf of hospital pharmacists by the Guild of Public Pharmacists, the Association of Scientific Workers and the Confederation of Health Service Employees was referred to committee C of the Pharmaceutical Whitley Council. The management side considered the claim and made counter proposals (see below) based on a scheme of grading hospitals by the award of points for the number of occupied beds and out-patient attendances.

After a lengthy discussion during which the claims of hospital pharmacists were fully stated, the management side refused to amend their offer to any appreciable extent. The staff side rejected the offer as "totally inadequate" and, in consequence, the negotiations have broken down. All three staff organisations are consulting their membership about further action.

Under the management side's offer "assistant pharmacist" grade would be designated "pharmacist." A new grade would be chief pharmacist or (for a singlehanded pharmacist) pharmacist-in-charge. For the points system, hospitals should be grouped into four categories based on the number of out-patients and occupied beds. On average, the volume of out-patient work is represented by one prescription per out-patient attendance and it was considered that an occupied bed represented on an average one prescription per day. The size of staff would be reflected in the volume of work and should not (as previously) be regarded as a separate factor. For mental hospitals, the calculations should be on the basis of one prescription per week per occupied bed. Points and categories should be calculated as follows:

TYPE OF HOSPITAL	Points	Category				
General and health centres	O.P. + (beds × 365)	I 1-5 pts. II 6-10 ,, III 11-25 ,. IV above 25				
T.B. sanatoria and fever	$\frac{\text{O.P.} + (\text{beds} \times 365)}{\text{10,000}}$	I 1—5 pts. II 6—20 ,, III 21 pts. and				
Mental, chronic, or- thopædic and accident		I 1—5 pts. II 6—20 ,, III 21 pts. and over				

The following salary scales were proposed by the management side to be

applicable to men and women in Englar Scotland and Wales:—

Pharmacit (the existing assistant ph

Pharmacist (the existing assistant ph macist grade): Proposed scale:—£4 x £20—£500, the commencing salary £400 to be linked to age 23, with a dedition of £20 each year below that age.

Senior assistant (permissible in categorial hospitals): £450 x £20—£550 (trants to this grade from that of pharacist to receive an immediate increase two increments over their previous sala

Deputy chief pharmacist (permissible category IV hospitals): £500 x £20 £600 (entrants to this grade from that senior assistant pharmacist to receive immediate increase of two increments of their previous salary; entrants from grade of pharmacist to receive an immediate increase of four increments over the previous salary).

Chief pharmacist or pharmacist charge (includes existing grade of sing handed pharmacist): (salary to be lated to responsibility of post as demined by system of grading hospitals o "points" basis): Category I, (where full-time pharmacist is needed) £500 £20—£600; category II, £600 x £20—£70; category IV, £650 x £25—£800.

Teaching hospitals: The chief pharmacist

Teaching hospitals: The chief phan cists in certain nominated medical teaing hospitals to receive special allowar ranging from £100 to £200 per annum addition to the salary determined as ab (an ad hoc committee to fix rates appriate to each teaching hospital.).

Higher qualification allowance: Pers holding a higher qualification (i.e., t present the degree or diploma of B.Phat A.R.I.C. or Ph.C.) to receive a spel allowance of £25 per annum in addit to the salary determined as above with exception of chief pharmacists who an receipt of a special allowance as above.

A Selling Point.—"It is still the ptice amongst manufacturers of medical quisites to state the dosage of their lice preparations in cubic centimetres insof the correct official millilitres. seems to me that the adoption of the mittre would be a 'selling point' for ma facturers—evidence that they are up date and correct in this and presum in other matters related to their busine—A correspondent in the "British Medal Journal."

#### **PERSONALITIES**

MR. RICHARD E. C. WHYSALL, M.P.S., s been appointed to a Fellowship of the ectacle Makers' Company. He is in busiss with his father, Mr. W. Whysall, P.S., at 64 High Street, Grantham.

MR. CARL NORMAN, M.P.S., D.B.A., no is joining the sales staff of British Schering, Ltd. (see



Schering, Ltd. (see p. 102) comes to his new post from Roche Products, Ltd., where he has been chief technical adviser since 1945. Previously he had held positions on the medipropaganda staff of Glaxo Laboratories, Ltd., and in retail practice. For several years Mr. Norman was an active member

the Finchley division of the North

LORD McGOWAN, K.B.E., D.C.L., D. (chairman, Imperial Chemical Instries, Ltd.), has accepted an invitation become the first patron of the Purasing Officers Association.

MR. H. WEBB, sundries buyer for Allen Hanburys, Ltd., Bethnal Green, London, 2, retired on December 31, 1948, after mpleting more than forty-five years' connuous service with the company.

Miss Joyce Haworth (daughter of Mr. Haworth, M.P.S., superintendent of the anchester Pricing Bureau) has been apinted special lecturer in education at anchester University.

MR. H. HUMPHREYS JONES, Ph.C., princial of the Liverpool School of Pharmacy, d centenary president of the Liverpool nemists' Association, is one of three perns nominated as high sheriff of Carnarnshire, his home county, for 1950.

MR. LESLIE B. SINGLETON, Ph.C., maning director of General Advertising Co. London, Ltd., and a former member the editorial staff of The Chemist and RUGGIST, has been admitted to Associe Membership of the Institute of Incorrated Practitioners in Advertising.

Professor Max Hartmann, a memr of the board of Ciba, A.G., Basle, and ief of the company's pharmaceutical research division, has been awarded the title of Doctor of Technical Sciences honoris causa by the Federal Technical Institute, Zürich, for research work in organic chemistry and services to pharmacology. Among Dr. Hartmann's outstanding contributions is work on the sulphonamide Cibazol (1938). Over one hundred patents have been taken out in his name.

Mr. E. S. J. Hatcher, Ph.D., who contributes in this issue the first of two articles on "Plant Hormones" (see p. 115), is a member of the staff of the East Malling Research Station establishment of the Research Institute of Plant Physiology (a post-graduate school of Imperial College, London). He is specialising in the study of the hormones of the fruit tree, and the effects on the tree of synthetic growth substances. Dr. Hatcher was Huxley medallist of Imperial College, 1947, and is a former Beit research Fellow.

Mr. S. W. Hague, M.P.S., the newly-elected president of the Proprietary Articles Trade Association (see p. 109), was born in Lincoln and apprenticed there to his brother, Mr. John Hague, a past chairman of the National Pharmaceutical Union (see C. & D., 1946.II.782). He qualified in 1904 and, after gaining retail experience in London and the provinces, opened his own pharmacy in Cardiff, later controlling three pharmacies in that area. Mr. Hague has been, in turn, secretary, treasurer, and chairman (twice) of the Cardiff Branch of the Pharmaceutical Society, chairman of the Newport and Monmouthshire Branch of the Society, and for several years treasurer of the Cardiff Branch of the N.P.U. In addition, Mr. Hague has served for a number of years on the advisory subcommittee of the Cardiff Technical College and the Welsh College of Pharmacy. In 1937 he was elected a member of the Council of the P.A.T.A., and a representative of the retail section on the Executive Committee, after serving for many years as the Association's local secretary in Cardiff, and in 1946 he was elected vice-president and chairman of the retail section. Among his outside activities, Mr. Hague has served for four years as a Commandant of the British Red Cross Society, and for ten years as a rural district councillor and a member of his parish and parochial church councils. During the 1939-45 war he was a divisional warden for Cardiff.

#### " REMARKABLE **RESULTS OF N.H.S."**

Results of Remarkable the National Health Service" was the subject of an address by Mr. G. A. Mallinson, (secretary, National Pharmaceutical Union), at a meeting of the North London Branch of the N.P.U. and the North London Pharmaceutical Association on January 4. The new health service, said Mr. Mallinson, had been well received by the public, but had been attacked by the Press, though only one part of the scheme

of National Insurance. A change in the position of pharmaceutical organisations had taken place since July. The N.P.U. was recognised and must be consulted by the Ministry of Health as representative of all indepen-Close co-operation dent contractors. existed between the N.P.U., the Co-operative Union and the Company Chemists' Association. The new Pharmaceutical Committees were composed of pharmacists actually engaged in the service, and their main function was to advise Executive Councils. Mr. Mallinson said he made no apology for the system of payment by averaging because the N.P.U. had not begun averaging; it was already in existence by arrangement with certain pharmaceutical committees without the know-ledge of the N.P.U. He thought more foresight on the part of pricing offices would have eased the situation, but each office had been an entity, its competence depending upon individual officers. The N.P.U. had been concerned with the delays in normal pricing that had become common and had approached the Ministry for a country-wide survey that had led to the abolition of the independent control of pricing offices; they were now under a general management. Checks had been instituted by the N.P.U., on actuarial advice, to prevent under-payment and by the Ministry to guard against overpayment

#### Safeguards for the Chemist

The new method of submitting returns was designed, he said, to safeguard the chemist. Endorsement of "special" scripts would ensure that special fees were not overlooked, and separation of those of 2s. 6d. and over would ensure full pricing of any of doubtful cost. The chance of underpricing by inexperienced pricers was to be further reduced by full pricing each month of 25 per cent. of each chemist's forms, to be taken between definite dates. The actual date-bundle priced in fu would vary from month to month. ratio between the number of scripts ar the number of forms was practically con stant throughout the country.

#### Rota Problems

The rota system, he continued, ha given as much cause for complaint as ha averaging. Where a late service ha normally been given, it should not be r duced in order to qualify for rota pa ment, which was intended to cov overhead costs in businesses where the work done during an official rota mig. be insufficient to do so. Individual cher ists who had been in financial difficulti due to delayed payment had been helpe by the Ministry. Mr. Mallinson conclude by acknowledging the part played b North London representatives in the a vancement of chemists' interests und National Health Insurance, and w happy to point out that their efforts ha

largely come to fruition.

Replying to questions, he said th in the Government's view the testing scheme was a safeguard to satisfy Parli ment. Testing had originally been intr duced because of prosecutions for frat under the Food and Drugs Act, institute by a medical officer for health in Nor London. The alternative was testing. Tl scheme was private, pharmacists we represented on the appropriate committe and no publicity was involved. The N.P.I checking of pricing could not be continue on so large a scale as in the past, but new system would be used to watch the "specials" and 2s. 6d.-and-over script Chemists could refuse to dispense prescri tions after normal hours unless they we marked "urgent" and unless the sho was open for business. An "urgent script placed no more than a norm obligation upon a chemist to go to h business and dispense, but if he lived the pharmacy and was on the premises should be done. Mr. Mallinson had fai that chemists would give a good servi and so make it unnecessary for dispering to be done at health centres. A ne dose/price table was being issued as safeguard against multi-dose mixtures. The average container fee would have to examined.

The prescribing of proprietaries on N.H. scripts was more apparent to chemists wh had always had a preponderance of insu

prescriptions; previously the dispensof proprietaries had been done either he doctor himself or by the chemist a mainly private dispensing business. er the old arrangement the prescrip-was dispensed as written from the est size; allowance was made if the was appropriately endorsed. release of dispensing packs from pure tax the question of broken bulk d have to be re-examined. In reply to

a member who asked for advice on accepting payment for repeats of N.H.S. scripts, Mr. Mallinson said the practice was not in order and should not be followed. There was an additional danger that a chemist might be called upon to refund any charges if the insured person complained to the Executive Council that he had been misled into believing he should go direct to the chemist for a repeat of a N.H.S. prescription.

### ROPRIETARY ARTICLES TRADE ASSOCIATION

quarterly meeting of the Council of Proprietary Articles Trade Association held in London on January 13, the dent (Mr. N. E. Forster) in the chair.

#### heil Election

ne Council received a report on the ion to fill the four vacancies in each on. The following members had been ned unopposed: Manufacturers' Sec-Thos. Christy & Co., Ltd., Horlicks, Macleans, Ltd. (with the addition of Lincoln & Midland Counties Drug Co., ; Wholesale Section, Ayrton, Saunders o., Ltd., Thos. McMullan & Co., Ltd., nes, Clark & Co., Ltd., Sangers, Ltd.; il Section, Messrs. S. Hague, T. Marns, Watts. Mr. Howells had intimated owing to pressure of other public maceutical work, he would not seek ection to the retail section. On the on of the President, supported by bers of all sections, the Council ex-ed their regret at Mr. Howells' reent and their appreciation of his past ces. On the recommendation of the section Mr. H. G. Moss, Feltham, co-opted to fill the resulting vacancy.

#### hase Tax

a discussion upon matters relating to hase tax, the Secretary stated that formal acknowledgment of the letter to the Chancellor of the Exchequer on mber 13, on the Council's instructions, so far been received. The Council's esentations to the Chancellor dealt (a) the Treasury requirement that tered manufacturers and wholesalers make full payment within the stipuperiod of tax due on goods supplied etailers, whether or not the manufacor wholesaler has received payment his retail customers, and pressed for ioration of the position, and (b) the sive rate of tax on toilet and perfumery preparations. The case for a reduction in the rate of tax on this class of goods was stressed.

#### Year-book

The Council endorsed a recommendation of the Executive Committee that the 1949-50 and subsequent issues of the year-book and protected list should contain, in addition to the usual features, a section setting out in alphabetical order (with the respective manufacturers' names) the proprietary articles given elsewhere in the list.

The Council approved a recommendation by the Executive Committee that in future the annual meeting, open to all members of the Association, should be held at 4 p.m. on the day of the April meeting of Council (this year April 13).

#### Officers for 1949

The president for the year 1949 was nominated by the retail section. On behalf of that section Mr. J. E. GOODALL proposed, and Mr. E. Skues seconded, the election of Mr. S. W. Hague. Both expressed the confidence in and respect for Mr. Hague felt by all members of the section, of which he had been chairman for the past three years. The motion, which was supported by Mr. E. C. Pearce on behalf of the manufacturers, and COLONEL WATSON on behalf of the wholesalers, was carried unanimously. Mr. Hague, who then took the chair, expressed thanks for the honour conferred upon him.

Mr. Pearce (chairman, manufacturers' section) proposed, and the Council accorded with acclamation, a vote of thanks to the retiring president. Mr. Pearce said the Council was indebted to Mr. Forster for the freshness of outlook, clarity of thought, and business-like methods he had displayed during his year of office. Tributes to Mr. Forster were also paid by Mr. HAGUE, who seconded the motion and by Mr. F. J. SMITH. Mr. Forster made suitable acknowledgment. The following officers were also elected: Vice-presidents: Messrs. E. C. Pearce (manufacturers'); F. J. Smith (wholesale); J. E. Goodall (retail). Treasurer: Mr. L. Barclay. Executive Committee: Messrs. N. Dewey, R. G. Dyas, P. G. Hunt, H. G. Middleton (manufacturers'), P. J. Lushington, H. G. T. Read, L. D. Smith, S. Watson (wholesalers'), T. Marns, D. A. Rees, J. F. Watts, F. G. Wells (retailers'), with (ex-officio), the president, the immediate past-president, vice-presidents and treasurer.

#### Price Maintenance

The quarterly report on price maintenance submitted by the secretary showed that during the quarter 386 calls had been made by the Association's test purchasers and investigators. Only three cases of persistent price-cutting had been revealed. 430 test purchases were made during the period. Eighteen traders had completed the appropriate agreement and been removed from the stop list. A number of co-operative societies had received attention following receipt of complaints regarding breaches of P.A.T.A. conditions. The report mentioned that, while there was little evidence of any general resumption of "cutting," it was significant that some retailers had found themselves overstocked with certain of the toilet lines now in

better supply. The Association had be able to arrange for the orderly disposa some of the surpluses and in only one stance had a threat to cut prices be implemented. The Association's policy obtaining agreements from pre-war "ters" had been justified, as these trace usually approached the P.A.T.A. with the problems relating to surplus stocks, rate than embark upon private price-reduction campaigns. The report was approved.

#### Guests at Luncheon

At a luncheon which preceded the Co cil meeting, THE PRESIDENT extended welcome to the Council's guests: Mes G. A. Mallinson, O. F. C. Bromf (Editor, THE CHEMIST AND DRUGGIST) R. Peck (a past-president). The sident said that Mr. Mallinson was not garded as a visitor but as one of th selves, and that his presence was alw welcome. The Council were fully sens of the co-operation and help the Asso tion received from the Editors of the pl maceutical Press, and appreciated the m kindnesses in that connection extended the P.A.T.A. by the C. & D. Mr. Br field expressed his pleasure at being Council's guest, and said that the publi in the editorial columns relating to activities of the Association was provi in the interests of the members of the tr which the C. & D. served.

#### **ULSTER CHEMISTS' ASSOCIATION**

At the January meeting of the executive committee of the Ulster Chemists' Association, the president (Miss C. E. Culbert) in the chair, regret was expressed at the resignation, for business reasons, of Mr. E. A. Poots, Larne. The secretary (Miss A. E. Strachan) was instructed to convey to Mr. Poots the thanks of the president and committee for his interest in the work of the Association both as a member of the executive and as secretary of the East Antrim Pharmacists' Association. It was reported that, in response to the Association's request for a general increase in the chemists' allocation of sugar for dispensing, the Ministry of Food had from December 5, 1948, raised the rate of allocation from 105 to 135 per cent. of datum. Miss Strachan stated that representations had been made to the Board of Trade for the "industrial ten" coupons to be allowed to all pharmaceutical assistants. A reply had been received to the effect that phar-

maceutical assistants other than the engaged for a minimum of twenty hours week in dispensing could not be consider as qualified under any section of schedule of qualifying occupations. It pointed out to the meeting that although the Board of Trade had abandoned vacuum flask permit scheme as from I ember 31, 1948, the Government had granted any increase of supplies to ma facturers. As stocks were low supplies r therefore be reserved by manufactu and wholesalers to honour permits iss up to December 31, 1948 (which are v until February 28). The distribution flasks is to be on a strict quota basis du 1949 Michael J. Harte (Pharmacy) I Carrickmore, co. Tyrone, were elected membership of the Association and Mi J. Ward, Ph.C., whose name had I approved at a previous meeting of Associate's committee, was admitted Associate membership.

#### PHARMACEUTICAL SOCIETY OF IRELAND

January meeting of the Council of Pharmaceutical Society of Ireland was in Dublin on January 11, Mr. P. A. y (president) in the chair. Also prewere Messrs. T. C. Scott (vice-presi), J. Gleeson (treasurer), P. C. Cahill, C. O'Neill, F. X. Meagher, P. F. Frath, P. Brooke-Kelly, M. Power, B. O'Sullivan, C. J. Cremen, J. A. purke, M. Costello, J. P. Kissane, McKane, C. D. O'Shea and Senator oughman. Apologies for absence were ved from Messrs. R. Daly, Cork, and . Toher, Sligo.

ne following changes of address were ied:—Mr. Michael C. Flynn, M.P.S.I., he Pharmacy, Carrigallen, co. Leitrim; Francis M. Smyth, L.P.S.I., to The age, Strandhill, co. Sligo; Mr. C. H. ams, L.P.S.I., to The Square, Athenry, Galway; and Mr. John Mackle, S.I., to Ballycastle, co. Mayo. Pre-lary registrations of the following were rted by the registrar (Mr. James G. man): Patrick J. Connors, Mary H. , Margaret F. Flynn, Pamela M. enna, Declan A. O'Sullivan, and nas B. Walsh.

ne reports of the House, Law, Schools, Certificates Committees were subed and approved. Fifty-four candidates, as reported, had entered for the Janu-Licence examination and forty-three he Assistants' examination. The Law mittee's minutes stated that a report been read from an inspector of the ty who had covered the counties of n and Monaghan. The registrar reed on the death of Mr. Dermot rath, M.P.S.I.

notice of motion, in the name of the urer, concerning the creation of a sions and Contingency Fund" was red to the next Council meeting.

#### mination Regulation Amended

R. MEAGHER moved that line 16, p. of the Society's Book of Acts and Reguns should be amended to read: lidate, other than a referred candidate, obtains 70 per cent. of the total marks not less than 50 per cent. in each subshall be awarded a pass with honours." as certainly not the intention of the said Mr. Meagher, that a candiwho was referred in any subject, and equently passed, should be able to an honours pass. The amendment he now proposing would make the position clear beyond all doubt. Mr. O'NEILL seconded the motion, which was passed unanimously.

#### New Members

The licence certificate of Nicholas Mockler was signed and sealed. The following were elected members of the Society: Miss E. Collins and Messrs. M. G. Brogan, M. B. Brophy, J. J. Cassidy, F. W. Gallagher, F. J. Gallagher, P. J. McConnell, M. Moloney, W. D. Dolan and J. J. Staunton, Messrs, Francis M. Smyth, Strandhill, co. Messrs. Francis M. Smyth, Strandhill, co. Sligo, and John Mackle, Ballycastle, co. Mayo, were nominated for membership.

A general discussion took place upon the confusion arising from the use of the word "Eire" in reports and references to the Society in the English language. It was pointed out that the correct title was the Pharmaceutical Society of Ireland, and not of Eire. It was also urged that the word "Ireland" should be uniformly used when that State was referred to in the English language.

#### Relations With Veterinarians

Mr. Kissane, reporting on the work of the Veterinary Joint Committee, said the Committee considered that the matters with which it was dealing, being mainly of a trade character, should be handled in future by the Irish Drug Associa-tion, the Council being kept informed of developments. THE PRESIDENT said he felt he was expressing the views of all when he said that the Council would give the I.D.A. the fullest support in the matter. Several members of the Council pointed out that, in most areas, chemists at present received practically no prescriptions from veterinary surgeons, who did most of their own dispensing. Mr. Kissane said that, with his colleagues on the Joint Committee, he had been urging with the veterinary organisation that veterinary should do the prescribing and the chemists the dispensing. Mr. Brooke-Kelly said that anything that brought about better relations between the Society and the veterinary profession was all to the good. Later, Mr. Kissane suggested that there should be similar legislation in Ireland to that existing in Great Britain to control the distribution of penicillin, streptomycin and similar preparations.

At a meeting of the Benevolent Fund Committee, held after the Council meeting, several grants were passed for payment.

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#### Dual Harness?

IANUARY 22, 1949

ART from questions of precedence, to ich our cartoonist (a cartoonist, incidenly, favourably placed to foresee the pracal difficulties that are likely to arise), usingly drew attention in these columns t week, it is evident that members of Pharmaceutical Society require an exosion of the announcement issued by the sident last week (C. & D., January 15, 82) about the secretaryship of the According to the statement Mr. ams, who is now Registrar and has "the ticular responsibility for the work of the ciety's headquarters and the administran of its affairs," becomes "additional" retary. Unless the word is used in condistinction to "subtractional" it is diffit for an outsider to evaluate its mean-, or to picture the duties that remain function of the other secretary — the retary "proper," presumably - with om the additional secretary is now to on a parity. There is clearly more than change of name, since Mr. Linstead, it pears, is to have his burden of work htened by the new arrangement, even ough Mr. Adams, before becoming dditional," was already "deputy" secary of the Society.

Nothing is disclosed about the financial angements for giving effect to that dua
7, unless they are implicit in the statent that Mr. Linstead is to retain his ull association" with the Society. The uncil, by encouraging him to proceed 
vithout curtailment" in his political

work, gives it the backing of the whole 23,000 members of the Society - a step only to be taken by an executive body in the fullest confidence of its electorate. It is appreciated that the work of so influential a politician as the Member for Putney has shown himself to be can prove of the highest value to the profession of pharmacy, and may be worth the very highest price that the Society can afford to pay. The matter is one, however, to be fully considered and discussed, and the possibility of requests to the Member for Pharmacy to take specific action on issues closely affecting the profession should not be ruled out. Such discussion may, of course, have taken place in the secret sessions of the Council, but members would unquestionably welcome further information-and may seek a definite undertaking -on the point.

Undeniably, Mr. Linstead knows—none better—the history, background, hopes and ideals of pharmacists, and the confidence the Council reposes in him will be echoed throughout the membership of the Society. But politics is full of surprises, and the object-lesson is still very recent in the public mind of the secretary of another organisation who went into Parliament with the full support of its executive and within a few years was advocating policies to which

they took strong exception.

In fine, there may be great opportunities for pharmacy in the new arrangements, but members would like to be reassured that they have been thoroughly thought out and completely regularised. Until more is known, further comment must be withheld.

#### N.H.S. "Repeats"

Pharmacists have been receiving conflicting advice recently on whether they should supply, on payment by the patient, "repeats" of prescriptions originally ordered on National Health Service prescription forms. Speaking in South London in November 1948 (see C. & D., 1948.II.642), Mr. H. N. Linstead (secretary of the Pharmaceutical Society) said he knew of a pharmacist who was having copied into his prescription book every N.H.S. script that was dispensed in his shop. The chemist anticipated that, in time, many patients

would be prepared to pay for repeat mixtures rather than waste time in a doctor's waiting room. Such a scheme, said Mr. Linstead, might have the goodwill of the doctors as it would reduce the pressure on their surgeries, and it would probably not constitute a breach of the chemist's contract. Mr. Linstead emphasised, however, that the chemist "must have full regard to his professional responsibilities," and he advised that where there was any reason to believe that a prescription should not be repeated until a patient had again been seen by his doctor, a repeat should not be dispensed. In other cases, repeating a N.H.S. prescription was probably no worse than repeating a private prescription. By contrast, when Mr. G. A. Mallinson (secretary of the National Pharmaceutical Union), at a meeting in North London in January (see p. 108) was asked whether it was right to accept payment for repeats of N.H.S. scripts, his reply was that the practice was not in order. He pointed out the danger that an insured person who paid for a N.H.S. repeat might complain to the Executive Council that he had been misled into believing that he could properly obtain repeats direct from the chemist; the chemist might then find himself called upon to refund the charge.

The practice of repeating private prescriptions has long been established and acknowledged, but the prescriber has been aware of it and, when he considered it necessary (not only when legally required to do so) has marked his prescription "Not to be repeated." A doctor writing a N.H.S. prescription is under the impression, however, that, without the need for any such endorsement, it is to be dispensed once only. Obviously the doctor is the only person to decide whether a medicine should be repeated. There may be room in the N.H.S. scheme for a method whereby patients who need to take the same medicine over a long period may obtain repeats without having to work their way each time through the waiting room queue. Until such a scheme is established, however, the chemist who dispenses N.H.S. repeats, and charges the patient for them, opens his flanks to criticism from both medical profession and Executive Council.

European Way Ahead

THE interim report to the Economic Cc operation Administration (O.E.E.C., H.M. Stationery Office, 2s.) gives a first year' programme of nineteen member countrie for western European recovery. Divide into three parts, the programme provide for an internationally integrated plan to utilise Marshall aid dollars; an intra European payments system; and a set o rules to guide future financial, economiand trading relations of member countries The main conclusion to be drawn from a study of the report is that the dolla shortage is likely to persist after Marshal aid comes to an end in four years' time Taking the most optimistic view of in dustrial production and agricultural out put-and many critics are of the opinion that the programme's "bold assumptions' are not technically possible—there remain the thorny problem of balance of pay ments. Currently the participating coun tries are earning overseas only sufficien to pay for half their imports. By 1952-59 it is hoped that they will be able to pay for 94 per cent. of their imports, and i is expected that at that time there wil be a deficit in O.E.E.C. countries' trading account of a billion dollars, largely with the western hemisphere. Clearly Marshal aid by itself will not be enough and fur ther assistance will be required.

#### PHARMACIST'S ANTHOLOGY

However, his expence for medicines was not great, for he was the most expert mar at a succedaneum, of any apothecary ir London; so that I have been sometime: amaz'd to see him, without the least hesi tation, make up a physician's prescription, though he had not in his shop one medicine mentioned in it.—Oyster-shells he could convert into crab's eyes; common oil into oil of sweet almonds; syrup of sugar into balsamic syrup; Thames water into aqua cinnamoni; turpentine into capivi; and a hundred most costly preparations were produc'd in an instant, from the cheapest and coarsest drugs of materia medica: And when any commor thing was order'd for a patient, he always took care to disguise it in colour or taste or both, in such a manner, as that it could not possibly be known.—"The Adventure. of Roderick Random," by Tobias Smollett

#### PLANT HORMONES

By E. S. J. Hatcher, Ph.D.

#### .—Some natural plant growthregulating substances

HE existence of special substances in plants, as distinct from the ordinary chemical constituents, was deduced on before the isolation of any specific ormones. Two characteristics were suposed — that such substances occurred in inute traces not detectable by standard nemical analysis, and that they moved ownwards in the plant from the shoot pex towards the root system. Their function was to regulate the development of ne various parts of the plant, and through neir agency such phenomena as the dominance of apical over lateral buds, and the tormation of roots on "cuttings," were exlainable.

#### experiments with the Oat Coleoptile

Sixty years separated the propounding f this theory of organ-forming substances om the introduction of a biological test lethod of hormone assay. The critical ex-

(d) (c) (e) coleoptile the Stages incoleoptile test for auxin: a. Oat seedling. b. Tip removed from coleoptile (first decapitation). c. Further section of the coleoptile is then removed

(in a second decapitation):

1. Agar block containing auxin applied,
using a piece of leaf as support.
2. Curvature caused by auxin.

periments were conducted with the coleopile of the oat seedling, the organ which pierces the soil when the grain germinates, and through which the shoot proper afterwards protrudes. The coleoptile is a holow cylindrical structure elongating by a process of cell extension, and had long been the favourite of the experimenter studying plant movement in response to external stimuli such as light and gravity. It was shown that the growth of the coleoptile is controlled by a chemical substance secreted in the tip, which is nor-



Shadowgraph of coleoptiles, showing curvature caused by auxin. (Reduced to approximately \frac{5}{8} actual size).

mally transported down all sides, but which, under the influence of stimuli, is distributed unevenly so that the coleoptile bends, e.g., towards a source of light. The principle of the assay technique is that the concentration of an active substance in an agar block placed on one side of the decapitated coleoptile can be related to the size of the resulting curvature (see illustrations opposite and above). Using the coleoptile method, the occurrence of physiologically active substances was investigated, and from 1928 to 1935 the foundation of plant hormone chemistry was laid in brilliant researches at Utrecht, in Holland.

#### Sources of Plant Hormones

The principal sources of hormone were vegetable oils, malted barley and urine, all obtainable in relatively large amounts. On one occasion 150 litres of urine yielded eventually 40 mgm, of crude crystals from which a pure substance was obtained. The isolation process was long and tedious. After concentration of the acidified urine to a syrup this was extracted with peroxidefree ether; subsequent processes included fractionation with saturated sodium bicarbonate, extraction with petroleum ether and ligroin, extraction with benzene, lead-salt, and then calcium-salt precipitation, esterification and, finally, high-vacuum distillation to yield the crude crystals. At each stage the hormone activity was estimated by the coleoptile test. In another isolation 16 kilo of maize oil was used, from which two active substances were finally isolated. Altogether three hormonal substances were identified—auxin a, auxin b, and hetero-auxin; but whereas the first two could be derived from ordinary flowering species such as maize and barley, hetero-auxin had been isolated from species of fungus such as Rhizopus and yeast. Auxins a and b are relatively complex molecules which have not yet been artificially synthesised. Hetero-auxin transpired to be indole-3-acetic acid, a known compound already prepared in the laboratory. All are crystalline

solids, carboxylic acids with a ring structure in the molecule (see formulas above), and all are extremely active in the coleoptile test, the characteristic feature of a member of the auxin group. I mgm. of auxin a or b, or 2 mgm. of indole-3-acetic acid, for example, are equivalent to 50 million total degrees curvature, that is, would cause 5 million coleoptiles (from 200 kgm. of grain) each to curve 10°. This curvature is, in fact, produced by about 20 per cent. of the auxin actually present in the small agar block, which makes these values even more astounding.

 $CH(COOH) = CH(CH_2)_7.CH_2COOH$ 

Traumatin C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>

(I-decene-I, IO-dicarboxylic acid)

#### Differentiation of Auxins

While the coleoptile technique detects extremely minute amounts of active substance, it does not differentiate between the auxins themselves, which must be done by supplementary methods. One involves sensitivity to  $p_{\rm H}$ , auxin a being stable to acid, hetero-auxin to alkali, and auxin b to neither; another is to calculate approximate molecular weight from the rate of diffusion through agar plates. In this man-

ner auxin a was found to be present in the coleoptile, and for some time it was considered that hetero-auxin was characteristically produced by certain lower organisms. This view has been revised in recent years much evidence now existing that hetero auxin is produced in the tissues of the green plant, and that indole-3-acetaldehyd is an associated interchangeable product.

Auxins are of widespread distribution their presence having been demonstrated in a great variety of taxonomic groups. A was postulated nearly eighty years ago, the occur in minute amounts and manifes polar movement. It is still astonishing to take segments from growing shoots and to observe that auxin is released only fron their lower surfaces. The rate of transport exceeds 1 cm. per hour, far in excess of a simple diffusion process, auxin movemen being a function of living cells.

#### Auxin Studied

The study of auxin in the plant during growth and development has revealed some interesting facts. The seed contains rela tively large amounts of auxin; in cerea grains the hormone is most concentrated in the aleurone layer, the region of protein storage. In the young plant there is an gradient downwards from the shoot apex. Leaves re auxin actively growing shoot apex. lease auxin into agar most rapidly during There are their initial extension growth. also auxin manifestations of the reproduc tive phase. During emergence of the cerea ear there is first a sharp accumulation o auxin in the anthers, from which the poller is shed, and later another one in the deve loping grain. The pollinia of orchids are notably rich in auxin, while in compound fruits such as citrus or tomato the maxi mum auxin yields are associated with the seed region. In all of these examples the appearance of auxin can be related to a phase of active cell-extension, though it is not easy to separate this phase from the earlier one of cell-division, or from the later one of cell-differentiation, or, indeed from the over-all process of organ development. There is much evidence, as we shall see in the concluding article, that auxinic substances influence all these phases.

Nevertheless, it is thought that other groups of plant hormones exist besides the auxins. Supporting this view one may cite the isolation and identification of traumatin, a wound hormone, and the active principle of the so-called bean test. It this test the soft velvety lining of the seed cavities of the bean pod is the reacting

te, small peg-like outgrowths due to ve cell-division forming within a few cs of treatment with traumatin. There so experimental evidence for the existof a leaf-growth hormone, not of the in type, which has so far not been tified. Passing to the realm of hypois, the view is held that specific hores for each kind of organ, root, stem, flower-bud, etc., interplay in the

t's general developmental balance. In icular, the relationships between vegere and reproductive phases pose interig problems, for it is very well known the onset of flowering in plants is conable by factors such as germination perature and day-length, in a manner the can be most reasonably accounted by the existence of flowering hormones

such as the hypothetical "florigen." That auxins are not directly responsible has been demonstrated experimentally.

While the oat coleoptile may be the ideal test object for investigating auxins on the basis of their cell-extension power, other hormone groups will require their own special biological methods of assay. From what has been said about the auxins it will be realised that hormonal substances occur in such small traces that their chemical isolation is an elaborate extraction procedure from a large amount of tissue. In a biological method of assay, physiological amounts of hormone are measured, and it becomes practicable to investigate the distribution of the active substance.

tribution of the active substance.

In a second article synthetic growthregulating substances will be considered.

#### 17th CENTURY APOTHECARIES

#### Address by the librarian of the Pharmaceutical Society.

the course of an address on "London Pharmacy in the Seventeenth Cen-"given at an evening meeting of the rmaceutical Society in London on

January 13, Miss Agnes Lothian, Ph.C., A.L.A., referred to a number of notable botanists and apothecaries of the period.

John Gerard (1545 - 1612), a barber - surgeon and botanist who kept a herb garden at the back of Staple Inn, pubished, in 1596, a catalogue of the plants he cultivated



Agnes Lothian, Ph.C.

in 1597, a much larger work entitled ne Herball or Generalle Historie of thes." It contains about 1,800 wood, including one of the earliest illusions of the potato. Much of the text been "borrowed" from Dr. Priest's slation of Dodoens' "Stirpium hisae pemptades sex" (1583) and woodks prepared for Theodor's "Eicones," been used, so that the Herball was the criticised. Perhaps one of the best wn English herbals, it contains many lely descriptions of English plants. 'homas Johnson, apothecary, who had hop and botanical garden in Snow, revised Gerard's Herball and added

descriptions of 800 new plants with 700 woodcuts. A much greater scholar than Gerard, he also published (1629-41) several accounts in Latin of botanical excursions into the country, and these expeditions ultimately led to the formation of the physic garden at Chelsea.

#### Parkinson's Work

John Parkinson (1567-1650), an older man than Johnson, was "Herbal Apothecary" to James I, and later "Herbarist" to Charles I. The earlier of his two works "Paradisi in Sole Terrestris" or "The Garden of Pleasant Flowers," (1629) was more a work on gardening than a description of herbal medicines. The title page, a fine example of a wood engraving, shows the "Eye of Providence" looking down on an earthly paradise. In the centre is the "Scythian Lamb-plant, reported by divers good authors (including Sir John Mandeville) to grow in Samarkand . . onely bearing a certaine fruit . . resembling a small lambe . . . the head hanging down and feeding on the grasse round about it" (see overleaf). Nearly a thousand plants are described, 780 of them illustrated by wood-blocks.

Another noted herbalist was William Cole, an exponent of the doctrine of signatures, which had many adherents. It was firmly believed that for every ailment the Creator had provided a herbal remedy. Robert Turner says, "God hath imprinted upon the Plants, Herbs and Flowers as if it were in Hieroglyphicks the very signa-

#### XVIIth CENTURY PHARMACY - EXHIBITS AT SOCIETY'S LIBRAY



Title page of Parkinson's "Paradisi in Sole" (1629).



Bell-metal mortar, bearing date 1662 and name John Battersby (Pepys' physician). From the collection of A. J. Fairlee.



Pewter syringe and (from City of London excavations at Bishopsgate) medicine bottle and ointment jar. Collection C. H. Spiers.



17th century medicaments (mummified hand, tizards, searn typical of many of the materia medica in use at the ti



17th century Lambeth drug jars. That on the left was len Lloyd Williams, pharmacist, Sarnia. Ontario, Canada.



Small mortars, two bearing head and crown of Charle bequeathed to the Society by the late E. F. Linstead. A bearing stag's head and date 1664 from collection of E. Saville

of their virtues." "The Art of Simp-' (1656) is the only herbal of the time h gives a chapter on plants for veter-

dders tongue wrapped in virgin's waxe, and nto the left eare of any Horse, will make all downe as if he were dead, and when it en out againe, he becomes more lively than

here is also a chapter devoted to s used in and against witchcraft. following excerpt from Reginald s "Discoverie of Witchcraft" (1584) a formula for an ointment used for

ransportation of witches:

he fat of young children and seeth it with in a brazen vessell . . . They put hereunto inum Aconitum, belladonna, soote and Sola-Somniferum. They mix all these together, hen they rub all parts of their bodies ex-ngly till they look red and be very hot, so pores may be opened and their flesh soluble oose. They join herewithal either fat or oil the force of the ointment may pierce inand so be more effectual."

#### Specification for an Apothecary

Jean Renou (Renodaeus) in his "Medicinal Dispensatory or The Apothecaries shop" (1657) says:
"An apothecary ought to be a Lover of Piety,

one that fears God, voyd of Envy and Malice, of a sound judgment, well skilled in Grammar, of a good competency, not covetous, patient of labour, of great industry, not given to corpulency. ... An Apothecaries house ... must be ample, and high, that such simples as should be kept drie, may be reposed in its highest room; and such as should be moist, in its cellar. . . . In it there should be two doors; the one an outward door towards the street, the other inward, into his kitchen or inner chamber; wherein he may not only eat his victuals, but prudently observe through some lattice-window, what is done in the Shop, what given, and what received; and so mind his apprentices, whether they spend their time idlely, faithfully and accurately execute their office, or do all for his good and effect his work. The names also of the Medicaments, must be inscribed upon every vessel, and bag, wherein they are included; that the Medicament so be exhibited, may soon be seen, and not mistaken for another.

#### AN EARLY COMPENDIUM

By Adest

libraries, I suppose, possess a copy sixteenth-century compendium that ld have been a "desk companion" to icians and apothecaries in that age. e has been published about the author, gius Pictorius: in the "Biographi-Lexicon der Hervorragenden Aerzte Zeiten und Völker" of A. Hirsch edition, 1932), it is stated that he born at Villingen in Germany circa , was the author of several works, and in 1569. His "Medicinæ tam simpliquam compositæ . . . ex Hippocrate, no, Avicenna, Aegineta, & alijs . . . o), is an alphabetical list of diseases,

remedies, and has a pharmaceutical est of the kind possessed by Pereira's lecta e Præscriptis." It represents the eria medica of a sixteenth-century phyn who had access to classical and postical treatises. A few quotations will an idea of the choice then available rescribers.

lany paragraphs consist of lists of mmended substances without any indion of doses or length of treatment. Preably the physicians, if not the apothees, who used the book were expected e well versed in posology. For melanlia the medicaments include pillules de de lazuli, folia senæ, elleborus niger. strengthening the nerves, camomilla, un sambucinum, isopus, nardinum, mel

rosatum and other substances are recommended. One wonders how such drugs and chemicals as cyminum, absinthium, cam-phora, crocus, sanguis columbæ and sal armoniac were used for redness of eves.

#### Pestilence Remedies

A similar comment applies to some, though not all, of the remedies for pesti-lence and "corrupt air": they comprise suffitus ex mastice ac olibano, cortices citri, bolus armenus, tormentilla, nux vomica, terra sigillata and sanguis anserinus. Among preparations for strengthening the gums are acetum squilliticum, piretrum, corallus, squama ferri, lac asinum, galla, myrrha and sandalum. Dentifrices have a more modern tone: they consist of or contain ground pumice; red coral; sal gemmæ (rock salt) with pumice or burnt hartshorn; sea shells, filled with salt, then burnt and ground; rosemary wood, burnt, with spodium (animal charcoal).

The treatment for that perennial trouble, the bite of a mad dog, includes a prescription with quantities. Its ingredients are powdered gentian, five parts; olibanum, one part; ash of burnt crab, equal to weight of the other drugs. Dose, one drachm daily. This formula seems about as sensible as Richard Mead's pulvis antilyssus, which was adopted in the Pharmacopæia Londinensis of 1721.

#### BOARD OF TRADE EXPORT ORGANISATION

THE Commercial Relations and Exports Department of the Board of Trade (formed by the amalgamation of the former Com-mercial Relations and Treaties Department and the Export Promotion Department) is to be organised in future in three parts to deal, respectively, with (1) countries or groups of countries (subordinate divisions are to be known as "country branches"); (2) general matters; (3) in-Correspondence on general questions of export policy of the kind that would usually interest national trade associations should normally be sent to the Commercial Relations and Exports Department. Questions of market prospects and information, marketing methods, agencies, advertising, etc., and other matters dependent on conditions in overseas countries, are also primarily the concern of the Commercial Relations and Exports Department. Inquiries relating to market prospects in a particular country or group of countries should be directed to the appropriate "country branch" of the Department. Similar matters which do not relate to individual countries or groups of countries (e.g., the general selling prospects throughout the world for a particular commodity) are to be handled by the Industries Branch which is also to deal with questions about agencies, whether for particular countries or for groups of countries. Questions affecting production and controls and export targets for particular industries (as opposed to the target for a particular country) should be referred to the appropriate Production Department (whether in the Board of Trade or in another Ministry). Questions affecting, for example, the volume of exports that should be aimed at for particular destinations (in which agreements with other Governments may be concerned) should usually be addressed to the appropriate Production Department, which will consult the "country branch" concerned. Questions about bilateral negotiations from individual inquirers should be taken up in the first place with the trade association concerned.

#### Country Branches

The detailed organisation of the Commercial Relations and Exports Department is to be as

DIVISION I:- Branch I, United States and Far East, including Hong Kong; Branch 2, Scandinavia. DIVISION II: -Branch 3, Eastern Europe, less Austria and Greece; Branch 4, Middle East, Austria and Greece; Branch 5, Italy, Spain, Portugal their Colonies, Switzerland; Branch 6, L America.

DIVISION III: -Branch 7, Union of South Aft Southern Rhodesia, Colonies (except Hong Ko Branch 8, Australia, New Zealand, Eire; Branch Canada, Newfoundland, India, Pakistan, Cey

DIVISION IV: -Branch 10, France and Color Benelux and Colonies (except Netherlands

Indies), Bizone of Germany.

Communications should be addressed to Assistant Secretary of the particular branch, n bered as above, I.C. House, Millbank, Lone S.W.1 (Telephone: Whitehall 5140).

#### General Branches

DIVISION V:-Branch 11, Distribution of ports (particularly of goods that are scar Branch 12, certain miscellaneous subjects; Bra 13, exhibitions (Horseferry House, London, S.V Telephone: Victoria 6800).
DIVISION VI:—General questions arising for

bilateral negotiations.

DIVISION VII: - Branch 14, volume of expe including export targets.

DIVISION VIII: - European Recovery Program DIVISION IX: - Customs unions, charter for international trade organisation, general agreem on tariffs and trade, commercial treaties, etc.

Communications should be addressed to Assistant Secretary in the appropriate branch directorate, I.C. House, Millbank, London, S.V. (Telephone: Whitehall 5140).

#### Industries Branch

Matters involving the Industries Branch of Department should be taken up with the officer charge of the Industries Branch, Commercial lations and Exports Department, Thames Ho (North), Millbank, London, S.W.1 (Telephor Victoria 9040).

Film Strip Lectures.—Film strips w lecture notes on malaria and leprosy su able for public lectures have been p pared for the Colonial Office and available from H.M. Stationery Offi-London, W.C.2, price 5s. each. The fifeight pictures on the malaria film st deal with the social significance of t disease, breeding places of the anophe mosquito, pioneer work against the d ease by Sir Ronald Ross and Sir Malco Watson, modern methods of control, trea ment including the use of mepracri (Paludrine is not mentioned). The lectu on leprosy (with thirty-eight picture deals with mediæval references, relief wo conducted by British Empire Lepro Relief Association, and the use of hydn carpus oil by Sir Leonard Rogers, t Association's first medical secretary. specific mention is made of sulphor therapy.

#### IMPORTANCE OF EXPORTS TO CANADA

Secretary for Overseas Trade addresses export merchants

A. G. BOTTOMLEY, O.B.E., M.P. (Secary for Overseas Trade) was the guest honour at a luncheon of the National neral Export Merchants' Group on uary 14, Mr. W. Mansfield (chairman the Group) presiding. Mr. Mansd referred to ways in which the Group co-operated with the Board of Trade lk selling during the war, the setting-of an Export Merchants' Guarantee Ltd., under the auspices of the Board Trade, and assistance to small manuturers wishing to enter the export Now export merchants were ed with the problem of adapting themes to the rapid change during the preus twelve months from a sellers' a buyers' market. In meeting their iculties they needed to recover some, least, of the freedom they had enjoyed the past. They needed to be able to te firm prices and delivery dates, to able to take decisions in minutes, not s, and to be freed from as many rections as possible if they were to play ir full part in expanding exports.

nada Now "More Receptive" IR. BOTTOMLEY laid emphasis on the portance of materially increasing British orts to Canada. In the Canadian rket the influence of the general mernt hitherto had been less than in the jority of other overseas markets, a situin that derived from the Canadian atde to trade and the proximity of lada to the United States. But Can's shortage of U.S. dollars and her essity to maintain her U.K. market induced a much greater degree of eptivity to British goods, and he sugted that general export merchants had important part to play in the effort tain must make to help both Canada herself. It was indispensable that level of exports to Canada should be ed, and the Dominion Government had n assured that the effort would be de. At present, Britain was paying only two-fifths of her imports from nada by exports to that market. If t proportion could not be improved on, this country would be unable to go buying as much produce as in the past. ere was a big market to be captured, l considerable progress had already n made. The 1938 level of British exports to Canada was £23.5 millions (1945 level was £23.7 millions), representing about the same value but a smaller volume. In 1946 the figure was £33 millions, in 1947 £44 millions, and in 1948 about £70 millions (the figure that had been aimed at). The target for 1949 was even higher.

#### Machinery of Co-operation

Mr. Bottomley said that the Canadian Government looked on British efforts with the greatest sympathy, and would do all it could to assist in putting British-Canadian trade on a sound footing. There had already been set up an Import Division of the Canadian Departments of Trade and Commerce, with the function of stimulating desirable exports. import embargo had been relaxed on a wide range of miscellaneous consumer goods, and import restrictions imposed, on exchange grounds, to exercise a restrictive effect on U.S. exports to Canada. Mr. Bottomley concluded with a reference to deteriorating terms of trade for the United Kingdom. In the circumstances the country must be sure that trade was in the right direction, though he was glad to say that in recent discussions there had been evidence of a slight break in the prices of raw materials and foodstuffs. The Government was grateful to the merchants for what they had done to help the country's export trade, and appreci-ated the difficulties they faced. Merchants were entitled to complain at times, but he hoped that everyone concerned would approach the vital problem of exports, not from any sectional point of view, but in the national interest.

Mr. G. C. Dixon (deputy-chairman of the Group), promised that the remarks of Mr. Bottomley on the Canadian market would be given the immediate considera-

tion of members of the Group.

[The total value (f.o.b.) of United Kingdom exports of manufactured chemicals for the eleven months ended November 30, 1948 was £1,421,118, against £1,207,410 and £1,057,829 in corresponding periods of 1947 and 1938, respectively. Canadian statistics show that exports of chemicals and allied products in January-October, 1948 amounted to \$67,314,000 against \$69,921,000 in the corresponding ten months of 1947.]

#### CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor

#### Dates on Infant Foods

SIR,—The profit on infant foods is so small it is hardly reasonable to expect chemists to keep daily turning the tins up to see the date. Even against his small profit the chemist generally has to set a loss of time listening to mothers' stories about their babies. A system should be devised to do away with the dates on tins, or at least to put a date label on the front of the container. Moreover, the manufacturer should take back all out-of-date foods.

Belfast Chemist.

#### Sorting Prescriptions by Date

SIR,—I think it should be made clear that, in the recently issued instructions by the Executive Councils concerning the sorting of N.H.S. prescriptions, the forms bearing prescriptions of net ingredient cost of under 2s. 6d. should be sorted into their appropriate bundle by the dates on which they were written by the doctor, and not when dispensed by the pharmacist. In your leading article of January 1 (p.17) the point is not made clear, and evidently from Mr. C. H. Patrick's letter in this week's issue that is not his practice. Romford.

S. M. Willcox.

Sir,—I am grateful to the National Pharmaceutical Union for a helpful circular on the sorting of prescriptions, but why, oh, why, may not prescriptions be sorted in week of dispensing? I am a simple fellow, and had planned to complete my bundle each week, and so be one step forward. Now we are told to bear our enclosed bundles on our backs for the full month, and are involved in the further detail of examining dates as well as estimating ingredient cost. Are all our leaders out of touch with the need to cut out detail in business today?

W. R. I. NICHOLSON.

London, N.W.I.

#### A Poor Lookout

SIR,—For years the local pharmacists took it in turn to supply Clacton and District Hospital with drugs and to do the dispensing. The prescriptions were collected by messenger and sent down a few hours later when necessary. As you will see from the enclosed advertisement in the local Press [cutting sent] a part-time dispenser is now required with "Hall or other

qualifications." On inquiry at the I pital I was told that four hours' we weekly was considered sufficient at a fil rate of pay of 4s. per hour (16s. per we All drugs and sundries are to be supplifrom Chelmsford. If this sort of the becomes general over the country, it is a poor lookout for pharmacists if a few years' time, National Health is vice dispensing is transferred to centricular.

Clacton-on-Sea. J. W. Privett

#### Claims for Damage in Trans

SIR,—Your article "Transport Clain" (C. & D., January 15, p. 78) is infortive and I hope it will be well no. In these days of delayed deliveries, It deliveries, losses by pilferage, and dam in transit, many chemists could by themselves and their suppliers in get claims settled more expeditiously. Chiists should remember that, from the t goods are handed by the suppliers to transporters, they become the property the consignee, and therefore his respobility. Suppliers have no further legal ligation, and are entitled to payment f their account, whether the goods are livered or not. I have come across mi instances of ill-feeling due entirely to tomers failing to observe the transpit company's conditions. Many suppli-like my own firm, undertake to m claims and inquiries about delays as The service service to customers. only be useful if the customer, in his c interest, co-operates with the supplier. REPRESENTATIVE

#### Carbon-backed Invoices

SIR,—There appears to be a grow tendency on the part of large conce to issue delivery notes, invoices and like with carbon on the back. As who is at the receiving end of these do ments may I seek the courtesy of y columns to protest against this trend? was at one time engaged with a la mercantile house employing modern be ness methods and am aware that this to document can present many advanta to the issuer but I wonder if it is appriated what a nuisance it is to those we receive it? Invoices usually undergo lot of marking-off on arrival (quantit prices, extensions, and totals are ticked

date of delivery, unpacker's initials, of tax, etc., are shown). Unless pretions are taken, such as placing the ument on some surface where rubbingof the carbon is of no consequence, the rkings are transferred to documents to ich they have no relation. When there several carbon-backed documents toher the resulting mutilation may be st confusing. Chesterfield.

E. BANNISTER.

#### Wages and Conditions

in,—The notice of termination of eement given by the trade union side the National Joint Industrial Council Retail Pharmacy (C. & D., January p. 75) on the grounds that in its ex-ng form it was valueless and "could y act as a serious embarrassment to interests of the retail employee" is a e perspective — so far as the retail rmacist is concerned. Retail pharmacy classified in the Ministry of Labour's lustrial Relations Handbook under the ding "Miscellaneous Trade Services." e treatment of the pharmacist as a ceper of the shop," with no account en of his services in advising doctors, er health workers, and the public, or the fundamentals (dispensing and statuy obligations) was bound ultimately to ke a J.I.C. founded on that basis, ucless, etc. Other contributory factors we been the attitude of the J.I.C. ions ("There is only one way! that is our way") and the failure to vide representation for more than an anised minority of employed pharmass. Despite the best endeavours of the tribution to represent the control of the property. tributive workers' Union to represent professional members, the Stanlow oratory branch of the Union, at the tion's annual delegate conference, 1948, alled a resolution passed in 1946 calling organisational steps "to enhance the idarity and improve the rôle of techni-and scientific workers," and pointed t the lack of any evidence of progress that direction. Was it not obvious in 46 that the writing was on the wall pharmacy's J.I.C.? Mr. Mallinson's ter (C. & D., January 15, p. 75), howr, is rather ambiguous, since any existarrangements under the J.I.C. are voltary. The J.I.C. has no power to ence its decisions, which can only be in nature of recommendations. In conuence, many employees rightly or ongly regard J.I.C.'s as instituted for indow dressing" purposes. The "fair wages clause" of the National Health Service contract, on the other hand, is compulsory. Under it an appeal can be made to an Industrial Court (but not direct—the Minister may, with the consent of the parties, refer the question to an arbitration court composed of one or more members appointed by himself). Is the time appropriate for Mr. Mallinson's challenge to the T.U.C. Unions? Some of the points he raises may be used with inverse effect when contractors' remuneration and the question of full payment come up for revision. Were the Unions to invoke the power and scope of the Trades Council Act, 1946, a step would have been taken that would not be limited to questions of pay only. Wages Councils and Trade Boards may advise the Minister on training, recruitment, working conditions, etc. Pharmacists outside the J.I.C. cannot afford to stand aside and allow that to happen.

East Barnet. G. H. ARMITAGE.

Sir,-May I by courtesy of your paper make a few points in reply to Mr. Mallinson's letter (C. & D., January 15, p. 75)?

(1) When he suggests that chemists should not

now pay wages below the J.I.C. scale, Mr. Mal-linson must know that only "tincture drinkers," "throw-outs" and persons on the wrong side of eighty can be obtained at J.I.C. rates now augmented by additional cash bonus or commission.

(2) The National Joint Industrial Council for

Retail Pharmacy is only one of many J.I.C.s, but in the others the rates of pay approximate to what employees are actually receiving. Had the J.I.C. rates in pharmacy been raised to the amounts currently paid, the terms for N.H.S. dispensing would today have been higher.

(3) The salaries paid in hospitals, to staffs covered by the national Co-operative agreement, and of the large combines, are all greatly in excess of the J.I.C. scales, and anyone with the time to read through the "small ads." in the C.  $\mathscr C$  D. and other papers can see what the progressive private man is willing to pay his staff.

(4) As wages generally have gone up, there is a general shortage of labour of all kinds. Mr. Mallinson cannot expect us to believe that the wages of chemists ought not also to have risen, or that they will fall again. On the contrary, there are many signs that they will continue to rise.

(5) The trade unions, after much hard work, have secured several useful agreements, and cannot be expected to allow obstructive tactics on the retail pharmacy J.I.C. to hold back their efforts.

(6) Certain elements in private trade will do anything rather than have a J.I.C. agreement that quotes rates near the actual wages paid-they fear that a good J.I.C. agreement might persuade employees to join a trade union, and a strong union membership "clean up" many dark spots in pharmacy.

Saltash JAMES BEALBY

#### TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale qui ties of standard quality. Prices of crude drugs and essential oils vary as to brand or gr

#### 28 Essex Street, W.C.2, Jan. 19

THE volume of inquiry for PHARMACEUTI-CAL and FINE CHEMICALS has been renewed on a good scale after several weeks of quieter conditions, and a substantial business is reported to have been negotiated with Scandinavian countries and the Far East. Home-trade interest has been Far East. Home-trade interest and pro-confined to a small range of seasonal pro-confined to a small range of seasonal pro-unchanged. The ducts, and prices are unchanged. The markets for Crude Drugs, with few exceptions, remain dull and new business is negligible. Prices of Ergot are lower, while GENTIAN, in the absence of any appreciable trade, is an easier market. Supplies of QUILLAIA natural bank on the spot are rather short and quotations have risen slightly. It is understood that better quality Rhubarb, rough round, is in short supply as recent deliveries have been disappointing. Senega prices continue to decline. A steady business has been done in manufacturing grades of Tinnevelly SENNA PODS and a fair inquiry is being received for Alexandrian pods for export. In other sections of the markets, Gum Acacia is easier; Tragacanth is quiet and unchanged. Shellac on spot is dearer. Spot Menthol is a weaker market. WAXES are attracting little interest; supplies of Ouricuri on spot are short. There has been no special feature in Essential. OILS markets and business has been small.

#### U.S. Drug and Chemical Report New York, January 14

THE lull has continued well into the New Year and seasonal items such as MENTHOL and Cod-Liver oil have been moving at producers consiler disappointing what Menthol became slightly firmer during the week on the announcement that Brazilian prices had been advanced slightly, and the latest cables to arrive here quote a price equivalent to about \$8.45 per lb., duty paid. In Fine Chemicals prices of Methylene blue, U.S.P. were advanced 11 cents per lb. because of increased production costs and 1,000-lb. drums are now quoted at \$2.87 per lb. DIETHYLSTILBŒSTROL was cut by \$35 per kilo, and the material is now quoted from \$255 to \$330 per kilo. The CRUDE DRUGS market is reported fairly steady, although activity is rather limited. Widely disported but small-yolumo incriving and dispersed but small-volume inquiries are reported from abroad. Detentions by the Food and Drug Administration, together with small stocks, have brought about a stronger tone in Ergor; between \$1.35 and \$1.55 per lb, is being asked for the material against \$1.18 only a week ago. IPECACUANHA was also advanced in price during the week an s now \$4.15 per lb. against \$5 now \$4.15 per lb. against \$5 previously. A spotty demand is reped from the ESSENTIAL OILS market d current transactions generally cover y small lots. Prices nevertheless, have sh a firmer tendency over the past week d less competition has been in evidence a such products as Peppermint, Spears to and the Ctrrus oils. Details are awa of damage suffered by the Californ citrus crop following a sharp cold s With the developments in China and donesia, an unsettled tone prevails in ducts produced in these areas—such s
ANISE, CASSIA, CITRONELLA, CAJUPUT d
PATCHOULI. The equivalent of about e
hun lred cases of LEMON out are repo to have reached the U.S. from an Ita n port.

#### Pharmaceutical Chemicals

ADRENALINE.—Steady. B.P. is qued from 5s. 61. to 6s. per gm. for natural 2s. to 2s. 6d. for synthetic; racemic, s.

Ammonium chloride, B.P. — Ste Makers quote 1-cwt. lots at  $9\frac{1}{2}$ d. per lb ARECOLINE HYDROBROMIDE.—Quotat s are from 44s. 9d. per oz.

BARBITONE.—Base and soluble are offer at prices from 43s. 6d. to 46s. per lb.

Barium Sulphate (*r*-ray).—Prices unchanged 1 cwt., 1s. 31. per lb. Scheer tates per lb. (containers in brackets), quantities between 28 lb. and 1 cwt. as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-1s. 6½d. (4-lb.) 1s. 5½d. (7-lb.), 1s. (14-lb.), 1s. 4d. (28-lb.).

BENZOIC ACID.—Makers' quotations pharmaceutical quality are from 2s. 2s. 10d. per lb., as to quantity. Sop BENZOATE is available at the same pric

CALCIUM GLUCONATE.—Steady, Mak prices are from 3s. 1d. to 3s. 4d. per ll

CHLORAL HYDRATE.—Current rates lb. for the home trade, are: 1-cwt. l 4s.; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

Chlorocresol.—Pharmaceutical qua is quoted at 4s. per lb. in 1-cwt, drums.

Cholesterol.—Prices are from 1: per kilo for semi-refined and from 137s. upwards for recrystallised material.

CITRATES.—Makers' rates are unchang Potassium, 5-cwt. lots, 2s. 10<sup>1</sup>/<sub>2</sub>d. per POTASSIUM, 5-cwt. lots, 2s, 10½d, per 1 cwt., 2s, 11½l.; scheduled prices quantities of 28 lb. to 1 cwt. are (c tainers in brackets): 3s. 9½d, (1-ll 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6 (14-lb.); 3s. 5½d. (28-lb); IRON 4 AMMONIUM CITRATE, B.P., 7d. per lb. mo SODIUM, B.P., 3d. per lb. less; powder, per lb. write. per lb. extra.

DIGITOXIN.—Current quotations are in region of 110s. per gm.

EMETINE.—Makers' rates per oz. are as llows: Hydrochloride, 1 oz., 187s.; 4 2, 180s.; 16 oz., 177s. 6d.; 32 oz., 175s. ISMUTH IODIDE, 1 oz., 96s. 6d.; 4 oz., 5s.; 16 oz., 93s. 6d.; 32 oz., 92s.

GLYCEROPHOSPHATES. — Makers' list rices per lb. are as follows: CALCIUM DIUBLE, 10s. 6d.; IRON SCALE, 11s. 9d.; cid., 20 per cent. (B.P.C.), 8s. 3d.; AGNESIUM (INSOLUBLE), 10s.; MAGNESIUM SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; OTASSIUM, 50 per cent., 5s. 11d.; 75 per ent., 7s. 9d.; Sodium, 10s. 9d.; 50 per ent., 4s. 7d.; 75 per cent., 5s. 8d. Quanties of 7 lb., 6d. per lb. less than above ites; other quantities in proportion.

Hydroquinone.—Bulk rates are as folws: 10 cwt., 9s. 6d.; 5 cwt., 9s. 9d.; cwt., 10s.: 28 lb., 11s.; 14 lb., 11s. 3d.; lb., 11s. 6d. per lb. Carriage paid in U.K. Isopropyl alcohol. — Makers quote 5s. 3d. per gall. for small lots.

Lactates.—Current quotations are as blows: Calcium, 2s.  $2\frac{1}{2}$ d. to 2s.  $10\frac{1}{2}$ d.; alcium sodium, 3s. 3d. to 3s. 11d.

LACTOSE.—Quotations are from £120 per on upwards, according to quantity.

Magnesium hydroxide, B.P.C.—Makers' rice for 1-cwt. lots is 2s. 11d. per lb.

MAGNESIUM OXIDE (B.P. LEVIS).—Prices or the home trade (per lb.) are as folws: Containers in brackets, 28 lb. to 1 wt., 3s. 5d. (1-lb.): 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); 1d. (28-lb.) per lb. Larger quantities unge from 2s. 4½d. to 2s. 6d. per lb. in 3-lb. packages, as to quantity, carriage aid.

Mandelic acid.—Steady, Current prices re: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s. Mercury salts.—Makers' rates per lb. or 1-cwt. lots are: Ammonium chloride, P., lump, 7s. 8d., powder, 7s. 10d.; ellow oxide, B.P., and Red oxide, P.C., 8s. 4d. Bichloride, B.P., lump, 5., powder, 6s. 5l.; Mercurous chloride, P., 7s. 10d. Quotations for small quanties of Mercury with chalk, B.P., are t4s. 9d., for Mercuric cyanide, 18s. 9d., nd for Oleate, B.P., 5s. per lb.

METOL.—Prices for quantities: 10 cwt., 9s.; 5-cwt., 19s. 6d.; 1-cwt., 20s.; 28-lb., 1s.; 14-lb., 23s.; 7-lb., 24s. per lb. Carlage paid in the United Kingdom.

NICOTINIC ACID.—Quotations are about 0s. to 42s. per lb., as to quantity.

PANCREATIN.—Price of B.P. material is com 13s. 6d. to 16s. 6d. per lb., according quantity.

PEPTONE.—Importers' quotations are om 13s, to 15s. per lb., as to quantity.

PHENAZONE.—Nominal prices are from 2s. 6d. to 35s. per lb.

PHENOBARBITONE. — Current quotations for 28-lb. lots are at 36s. 6d. per lb. The SODIUM derivative is available at the same price as the base.

PHENOLPHTHALEIN. — Steady. Makers' prices are: 1-cwt. lots, 6s. 10d.; 28-lb., 7s.; 14-lb., 7s. 3d. per lb.

Pyrogallic acid. — Quotations for Crystals are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. Resublimed is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

QUININE.—Makers' rates (per oz.) to distributors are given below; additional charges must be added for repacking, etc. Alkaloid, from 5s. to 5s. 6d.; Acetylsalicylate, 6s. to 6s. 61.; Bisulphate, 3s. 7d. to 4s. 1d.; Dihydrobromide and Dihydrocchloride, 4s. 11d. to 5s. 5d.; Formate, 5s. 9d. to 6s. 3d.; Glycerophosphate and Phosphate, 5s. 5d. to 5s. 11d.; Hybrobromide and Hydrochloride, 4s. 6d. to 5s.; Salicylate, 4s. 8d. to 5s. 2d.; Suplhate, 4s. to 4s. 6d.; Quinine and urea hydrochloride is quoted from 4s. 10d. to 5s. 4d.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are around 7s. 6d. to 8s. per lb.

Sodium alginate.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-ewt., 6s. 6d.

Sodium salicylate.—Steady. Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market as follows: 28-lb. and under 1 cwt., 3s. 4d. (1-lb.); 3s. 31. (2-lb.); 3s. 1½d. (7-lb.); 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

Stearates.—Current rates per cwt. in 1-cwt. lots are as follows: Aluminium, 235s. 6d.; Calcium, 217s. 6d.; Magnesium, 237s. 61.; Lead, 240s. 6d.; Zinc, 222s. 6d. 5-cwt. lots are 2s. 6d. per cwt. less and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in U.K.; packing free.

k-Strophanthin. — Makers' quotations are unchanged at about 25s. per gm.

Sulphanilamide.—Steady. Prices are as follows: 5 cwt., 6s. 3d.; 1 cwt., 6s. 6d.; 28 lb., 6s. 10d.; 14 lb., 7s.; 7 lb., 7s. 9d. per lb., net; packing extra.

SULPHANILIC ACID, B.P.C. — Current quotations are around 6s. per lb.

SULPHONAL.—Quoted from 44s, to 53s, per lb., as to quantity.

TANNIC ACID.—Moderate supplies reported. B.P. levis is from 8s. 9d. per lb.; ether soluble, from 9s. per lb.

Tartaric acid.—Makers' rates from January 1 in the home trade are: 10-cwt. lots and over, 200s, per cwt.; 5-9 cwt., 202s.; 2-4 cwt., 204s.; 1 cwt., 206s., delivered to buyer's address.

#### Crude Drugs

AGAR.—A moderate trade done in Kobé No. 1 strip on spot; quoted at 16s. 6d. to 17s. per lb.; other grades of Japanese strip are offered at from 14s. 6d. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

Aloes.—The spot market for Cape is weaker with 110s. to 115s, asked for prime, Curaçao is easy at from 185s, to 210s. per cwt., as to quality. Socotrine, 160s. to 180s, per cwt., spot.

Asafetida.—Steady. Persian block on spot is steady at from £14 10s. to £24 per

cwt., according to grade.

Balsams.—Canada, 19s. per lb., spot. Pará Copaiba (soluble), 4s. 9d. to 5s. per lb., spot. San Salvador, Peru, 5s. per lb., duty paid. Tolu, 13s. 6d. per lb., spot; shipment, 12s., c.i.f.

BENZOIN.—Sumatra block on the spot is from £14 to £16 per cwt., as to quality; Sumatra almonds, £45. Siam free almonds,

spot, £120 per cwt.

Buchu.—In poor request. Short rounds are quoted at about 4s. per lb., spot; ovals are offered at 3s. 6d.

Calabar beans.—Steady. Spot quotations are from  $10\frac{1}{2}$ d. to 11d. per lb.

Calumba.—Quoted at 77s. 6d. per cwt., on the spot; supplies are low.

CAMPHOR.—Chinese tablets are offered at from 7s, 6d, to 8s, 6d.; refined natural powder (B.P.), 6s, 9d.; B.B. grade, 6s, 3d.; slabs (2½-lb.), 7s, 3d.; crude powder, 6s, per lb., all spot London, duty paid. English synthetic powder, B.P., is quoted at 5s, per lb. in 100-lb. lots.

Cantharides.—Slow. Spot quotations for Chinese are at about 8s. to 8s. 31. per lb.; shipment, 4s. per lb., c.i.f, nominal.

Capsicums.—African on spot is offered at from 90s. to 130s. per cwt., as to quality.

Cascara sagrada.—Quiet. 1946 and 1947 peeled bark is offering at around 200s. per cwt.; 1948, 190s. per cwt., duty paid.

CASCARILLA.—Steady. Quills are quoted at 1s. 5d. to 1s. 7d. per lb., spot; siftings, 1s. 4d. to 1s. 5d.

Cassia pods (C. fistula).—Prices of East Indian are around 65s. per cwt., ex wharf.

CHAMOMILE FLOWERS.—Spot quotation for Belgian is 4s. per lb.

Chaulmoogra.—A fair inquiry reported for *Hydnocarpus* on spot which is offered at 1s. 9d. per lb.

Chillies.—Firm. Mombasa on spot is quoted at 120s. per cwt.; Zanzibar, 130s.; Japanese-type, 160s.

CINNAMON.—Steady. Spot quotations for 0000 are at from 2s. 9d. per lb.; quillings are offered at 1s. 4d., featherings at 1s. 3d. and chips at 6J. per lb.

CLOVES.—Firm. Zanzibar, spot, quo at 1s. per lb.; shipment, 1s. 1d., c. Madagascar, spot, in bond, 10½d.; sh ment, 10d., c.i.f. Penang, spot, 2s. 9d. 3s. per lb.

COCHINEAL.—Quiet. Silver greys, stea at 4s. 3d. per lb. spot; black on spot;

steady at 5s. per lb.

Colchicum.—Corms on the spot, offe at prices from 6s. to 6s. 6d. per lb. See shipment, 12s. 6d., c.i.f.

Colocynth.—Pulp on the spot is offe at prices from 1s.  $7\frac{1}{2}$ d. to 2s. per lb.

DIGITALIS.—English leaves are valuat from 2s. 3d. per lb.; powder, B.P., offered at 5s. 9d. per lb.

Dragons blood.—Singapore reboiled 1 1, £65 per cwt., spot; No. 2, £50 per c Ephedra.—Herb is offered at aro 62s. 6d. to 67s. 6d. per cwt., ex wharf.

ERGOT.—Portuguese sound material spot is available at 5s. 3d. per lb.; sh ment quotations are at 5s. per lb., c.i.f.

Galangal.—Supplies in bond are off ing at 97s. 6d. per cwt.

Galls.—Steady. Persian blues quo on spot at 260s, per cwt.

Gamboge.—Siam pipe on the spot offered at £50 per cwt., duty paid.

GENTIAN — French natural on spot quoted at around 57s. 6d. per cwt.; sli root is offered at 75s., spot.

GINGER.—African on spot is quoted 87s. 6d. per cwt.; new-crop, Janua March shipment, 70s. per cwt., c. Jamaican No 1 quoted at 130s.; No. 125s.; No. 3, 122s. 6d. per cwt., spot.

Guaiacum resin.—Steady. Prices from 2s. 4½d. to 2s. 6d. per lb., spot.

Gum Acacia.—Kordofan cleaned sorts the spot are offering at 64s, per cwt.; sh ment, 58s, 6d., c.i.f. Bleached No. 125s., spot; shipment, 115s., c.i.f. Ta on spot, 45s, per cwt.; forward, 40s., c.

IPECACUANHA.—Spot quotations are fr 23s. 6d. to 24s, per lb.; January-Februshipment, 22s., c.i.f.

IRISH Moss.—Steady. French sel bleached, 120s. per cwt.; No. 1, 105s.; 1 2, 95s. per cwt.

Kamala.—Quoted at 2s. 3d. per lb. sp. Menthol.—Brazil on spot is priced 43s. per lb., duty pail; supplies in be to come forward, 41s. 6d. Shippers offering January-February shipment 38s. 6d. per lb., c.i.f.; March-April sh. ment (new-crop), 35s. 6d., c.i.f.

OLIBANUM.—Steady. Fair drop is offer at 150s., peas at 190s., fair garblings, 123 and siftings at 80s per cwt., spot.

Podophyllum,—Steady. American (1 tatum), spot London, 280s, per cwt. Indi (emodi) from 315s, to 320s., spot; forwa 290s. per cwt., c.i.f.

on spot; prices are from 92s. 6d. to per cwt.; cut bark, 125s. per cwt.; hed, 120s.

HUBARB.-Chinese rough round on spot uotel at 4s. 6d. to 4s. 9d. per lb.; at, 4s. 6d., c.i.f. Wormy material is ted at 2s. 9d. to 3s. per lb., spot.

ARSAPARILLA. Jamaica native red, , sellers at 2s. 1d.; buyers, 2s. per lb. maica" grey, in hanks, 4s. per lb.

EEDS.—Prices of ANISE are unchanged; rus, 1s. 4½d. per lb., and Turkish 4d. per lb., duty paid, spot London. AWAY.—Dutch remain firm at 122s. 61. cwt., spot London. CELERY.-Indian t. Sellers are asking 1s. 2d. per lb., London or Liverpool. CORIANDER.—ket still inclined to be easier; Argenoffered at 37s. 6d. per cwt., duty spot London or Liverpool; Morocco, per cwt., duty paid in London, CUMIN.
Iarket quiet and unchanged. Indian is
per cwt., spot London or Liverpool;
rus, quoted at 190s. per cwt., spot LonDILL.—Indian is quoted at 47s. 6d.
cwt., spot London or Liverpool, FenLudian is in poor demand. 70s.

-Indian is in poor demand; 70s. per quoted spot London, and 69s. per in Liverpool. FENUGREEK.-Market ins firm. Indian, quoted at 55s. per spot London or Liverpool; Morocco ains firm. 4s. per cwt., duty paid, spot London

Liverpool.

ENEGA.—Spot prices are at 8s. per lb.; vard, 7s. 6d. per lb., c.i.f. The market

inues weak and dull.

ENNA.—Steady. Tinnevelly leaves, spot, 1, 9d. to 1s. per lb.; No. 2,  $7\frac{1}{2}$ d. to No. 3, 5d. to  $5\frac{1}{2}$ d.; Tinnevelly pods, d-picked, 9d. to 1s. 4d.; manufacturing, ness done at  $4\frac{1}{2}$ d. to  $5\frac{1}{2}$ d. Alexandrian s, hand-picked, spot, from 4s. 9d. to 9d., according to quality and seller; ium, 2s. 9d.; manufacturing, from 1s. s. 9d. per lb.; Alexandrian leaves, f.a.q.,

HELLAC.—F.O.T.N., pure 350s.; F.O. ndard 1, 365s.; fine orange, 375s. to s. per cwt., all ex London warehouse.

Vaxes.—Business has been small. is'—Dar-es-Salaam, 335s. per cwt., t; 325s. c.i.f. Benguela, 335s., duty in bond, 310s.; shipment 300s., c.i.f. in bond, 310s.; shipment 300s., c.i.f. in Lilla.—Prices are at 407s, 6d. per supplies for spot 400s., and ow, 690s. per cwt., spot; 650s., c.i.f. ty grey, on spot, 460s. per cwt.; shiptt, 420s., c.i.f., buyer's licence. Chalky
t, 440s., spot; 410s. c.i.f. Montan. th, 420s., char. v, 440s. c.i.f. Montan.—
beck, 285s. per cwt., spot; Czechoslovak
de, 225s. Ouricuri.—1 per cent., 430s.;
cwt., c.i.f.; 2.8 per cent., spot, 430s.;
er cent., spot, 420s.; 9 per cent, spot,
s. Spfrmaceti.—Steady at 2s. 10½d. lb., spot.

#### Essential and Expressed Oils

ALMOND .- B.P. sweet oil is in poor request at 5s. to 6s. per lb., as to quantity. Bitter essential oil is offered at from 27s. Gd. to 40s. per lb., as to grade.

ANISE.—Chinese star, in drums, quoted at 5s. 1d. to 5s. 2d. per lb., with 5s. 6d. per lb. for tins in cases; afloat, 5s., c.i.f.; for shipment, 4s. 9d., c.i.f.

CAMPHOR.—White oil on spot is quoted at from 2s. 4d. to 2s. 6d. per lb., duty paid; brown, shipment, 2s. 9d., c.i.f.

CITRONELLA.—Ceylon is quoted at from 3s. 8d. to 3s. 10d. per lb., spot; forward, 3s. 5d., c.i.f. Java, scarce on spot, would be worth 8s. per lb.; prompt shipment, ex Holland, 7s. 3d., c.i.f.

Fennel.—Sweet oil is quoted at from

18s. to 19s. per lb., spot.

Geranium.—Bourbon on spot is at from 43s. to 50s. per lb., as to grade; shipment offers are at 42s. 6d., c.i.f. African, 60s. per lb., spot.

PALMAROSA.—A dull market. Quoted on spot at 34s. per lb.; shipment, new-crop,

26s. 6d., c.i.f.

Sandalwood.—Mysore oil on spot is quoted at prices from 60s, to 67s, 6d, per lb.; English-distilled, about 75s, per lb.

#### Synthetics and Isolates

QUOTATIONS are per lb. and vary according to

grade, quantity and seller.

GERANIOL.—Ex Ceylon, 15s.; ex Java, 22s. to 25s.; ex Palmarosa, 7os. to 72s. 6d. Heliotro-PINE.—15s. 6d. to 18s. 6d. Hydroxycitronellal.— Perfumers', 53s. to 57s. 6d.; for soap, 50s. to 52s. 6d.

INDOLE.—(Per oz.), 10s. to 15s. IONONE.—(100 per cent.), 32s. 6d. to 34s. ISOBUTYL ACETATE.—2s. 6d. to 3s. 6d. ISOBUTYL BENZOATE.—5s. 6d. ISOFUTYL SALICYLATE.—6s. to 7s. 6d. ISOFUTYL SALICYLATE.—6s. to 7s. 6d. ISOFUGENOL.—17s. 6d. to 19s. 6d. LINALOL.—47s. 6d. to 52s. 6d. LINALYL ACETATE.—50s. to 52s. 6d.

METHYL ACETOPHENONE.—128. 6d. to METHYL ANTHRANILATE.—14s. to 15s. METHYL BENZOATE.—5s. 3d. to 7s. 6d. METHYL CINNAMATE.—12s. 6d. to 14s. METHYL HEPTIN CARBONATE.— 285s. METHYL IONONE. -- 37s. 6d. to 40s. METHYL PHENYL CARBINYL ACETATE.—11s. 6d. to 12s. 6d. METHYL PHENYLACETATE.—7s. 6d. to 8s. 6d. MUSK AMBRETTE.—5ss. MUSK KETONE.—5os. MUSK XYLOL.—7s. 6d. to 9s. 6d. MUSTARD OIL.—Artificial, 16s. 6d. to 18s.

NEROLIN BROMELIA.—13s. 6d. to 17s. 6d. NEROLIN YARA YARA.—9s. 6d. to 10s. 6d. PARACRESYL ACE-TATE.—8s. 6d. to 9s. 6d. PARACRESYL PHENYLACE-TATE.—10s. 6d. to 11s. PHENYLACETALDEHYDE.— 60s. to 70s. PHENYLACETIC ACID. -5s. 6d. to 6s. 6d. PHENYLETHYL ALCOHOL.—21s. 6d. to 23s. 6d. PHENYLPROPYL ALCOHOL.—25s.

RHODINOL.—122s. 6d. to 125s. SAFROLE.—10s. 6d.

SANTALOL.-100s, to 120s.

TERPINEOL.—Perfumers', 2s. 9d. to 3s. PINYL ACETATE.—8s. 6d. to 9s. 6d.

VETIVEROL.—18os. VETIVERYL ACETATE.—21os.

#### COMING EVENTS

Tuesday, January 25

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Mr. H. A. Phillips, B.Sc., Ph.C., F.R.I.C., on "The Manufacture of Malt Extract with Codliver Oil.

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 8 p.m. Mr. A. R. Chamings, B.Pharm., Ph.C., on "Antihistamine Drugs," followed by film show.

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Povey's Restaurant, Victoria Street, Wolverhampton, at 7.30 p.m. Mr. C. Beaven, Ph.C., A.R.I.C., on "The Riddle of Allergy."

Institute of Optical Science, Royal Society of Arts, John Adam Street, London, W.C.2, at 7.30 p.m. Mr. H. Triessman, F.R.C.S., on "Congenital Abnormalities."

#### Wednesday, January 26

Scottish Department, Pharmaceutical Society, 36 York Place, Edinburgh, at 7,30 p.m. Evening meeting. Mr. Eric Thorpe, B.Sc., B.Pharm., Ph.C., on "Coagulants and Anticoagulants."

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION). Euston Private Hotel, 50 Queen's Drive, North Promenade, Blackpool. Dinner and party.

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY. Visit to pantomime at Empire Theatre, Sheffield, leaving Chesterfield Market Place at 5.45 p.m.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Angel Hotel, High Road, Ilford, at 8 p.m. Dr. C. Leonard Williams (medical officer of health for Barking) on "Positive Health Tomorrow.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.1 at 7.30 p.m. Mr. F. G. Newmarch, F.R.P.S., presenting 16mm. films in colour.

School of Pharmacy, University of London, 17 Bloomsbury Square, London, W.C.1, at 5.30 p.m. Professor A. Paneth, F.R.S. (professor of chemistry, Durham University) on "The Use of Radioactive Tracers in Biological Research." (First of two lectures; second lecture on Thursday, January 27).

#### Thursday, January 27

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Red Lion Hotel, Hounslow, 8 p.m.-midnight. Dance, admission 5s. each.

PHARMACEUTICAL SECTION, SOCIALIST MEDICAL ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Discussion on National Health Service problems to be opened by Messrs. B. A. Williams (proprietor pharmacist), W. S. Benjamin (hospital pharmacist) and F. H. Connelly (retail employee pharmacist).

#### Friday, January 28

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Blossom Hotel, Chester, at 8 p.m. Professor H. Brindle on "The British Pharmacopæia, 1948."

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleve-Land Scientific and Technical Institute, Corporation Road, Middlesbrough, at 7.15 p.m. Concluding lectures on B.P., 1948, by Messrs, S. A. Gamlen, T. H. Hopper and G. T. Knight.

BIRKENHEAD AND WIRRAL PHARMACISTS ASSOCIA-TION is holding a dinner-dance at Thornton Manor on Thursday, February 17. Tickets (30s.

each including dinner and buffet) from Mr. J. Waterworth, 224 Bebington Road, Rock Ferr

BIRMINGHAM PHARMACEUTICAL ASSOCIATION holding its annual dinner and dance at the Bot cal Gardens, Edgbaston, on Wednesday, Febru 16. Tickets (15s. each) from committee mem or from Mr. D. J. Rushton, 1088 Stratford R. Birmingham, 28.

#### TRADE MARKS

(From the "Trade Marks Journal," Januar) "IPRALGEN"; by E. R. Squibb & Sons, I York; 656,592. "LUMA"; by Luma Prod Ltd., London, S.W.1; 662,024. "Myosaly by Ana Laboratories, Ltd., Alperton; 663, "Acidotan"; by Bengué & Co., Ltd., Al ton; 664,590. "Ossivite"; by John Wyet Brother, Ltd., London, N.16; 665,020. "N vir"; by Ward, Blenkinsop & Co., Ltd., I don, W.1; 667,206. "Jelmax" by The Br Drug Houses, Ltd., London, N.1; 667. "Lingfo-Fizz"; by Joseph Lingford & Ltd., Bishop Auckland; 667,609. "CONTAB by Kent Clinicals, Tankerton; 667,354.

pharmaceutical preparations (5). "Dob-Bo"; by Ashton Products, Ltd., Liverp 664,763. For disinfectants and deodorising

sterilising preparations (5).

"Scurol."; by Société des Usines Chimic Rhône-Poulenc, Paris; 665.214. "Таявон by Ciba, Ltd., Basle; 666,725. "Ucavtr by United Chemists Association, Ltd., Chel ham; 667,091. "ALDROXIL"; by Peter Sp & Sons, Ltd., Manchester; 667,972. "Ty CIN" and "CADROSON"; by Sharpe & Doh Ltd., Hoddesdon; 665,766 and 667,794. For goods (5).

"Sulphastatex"; by Imperial Chemical (P maceuticals), Ltd., Slough; 667,310. For pl maceutical substances, consisting of or cont ing sulphur, and sanitary substances and di

fectants (5).
"Soldruff"; by Robert Barr, Gourock; 667, For medicated preparations for the hair

scalp (5).

"THE MERMAID" on label device including n maid and clouds; "THE DEEP SEA" on h device including fish; "SEASHORE" on h device including sea shells and starfish; Superior Papers, Ltd., Cowley; 668,052-57. medicated toilet paper (5). For non-medicated toilet paper (16).

"MEOPTA"; by Meopta, Spojene Závody Jemou Mechaniku a Optiku, Národní Pod Prerov, Czechoslovakia; 665,506. For scient photographic and optical apparatus (9).

"AGIFLEX" and "AGIFOLD"; by Aeronautical General Instruments, Ltd., Croydon; 666,123 For photographic and optical apparatus and struments (9).

(From the "Trade Marks Journal," January

"HARDPRUFE"; by J. Manger & Son, Ltd., I don, E.8; 666,648. For industrial and agri

tural chemicals (1).
"TRIMACOL"; by Trimite,
667,095. For all goods (1). Ltd., Greenfo



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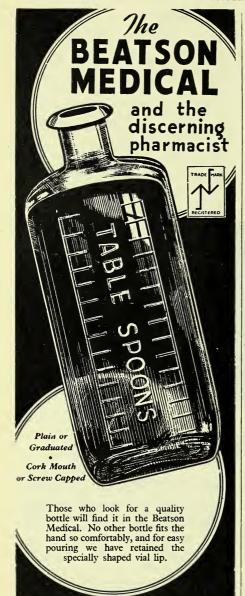
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reached.

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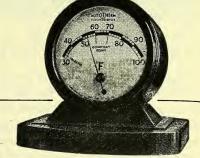
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